SOLARWATT®

Battery vision 1.0 / 2.0
Inverter vision one 1.0

IMPORTANT: Please refer to the respective type plate to determine which generation of battery packs you have.
Check whether these instructions are up-to-date.
You can find the current version and all language variants under this QR code:

WICHTIG: Welche Gerätegeneration Battery packs vorliegt, entnehmen Sie bitte dem jeweiligen Typenschild.
Prüfen Sie, ob diese Anleitung aktuell ist.
Die aktuelle Version und alle Sprachvarianten finden Sie unter diesem QR-Code:

Quickstart Guide
Schnellstartanleitung
Guide de démarrage rapide
Guida rapida
Snelstartgids

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For detailed Installation and Operating Instructions scan the QR code below.

Für die ausführliche Installations- und Bedienungsanleitung scannen Sie den folgenden QR code.

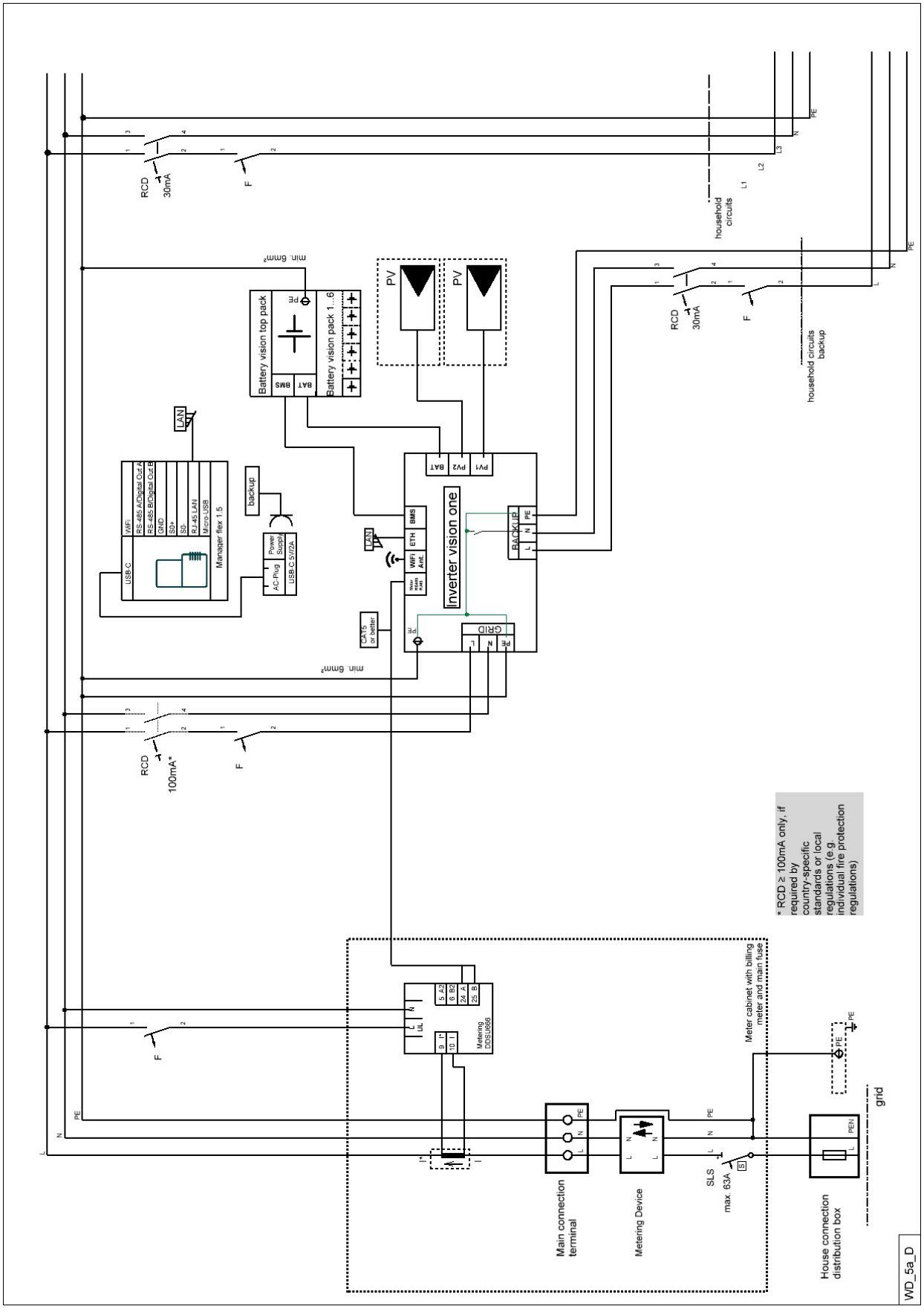
Pour des instructions d'installation et d'utilisation détaillées, scannez le code QR ci-dessous.

Per istruzioni dettagliate sull'installazione e l'uso, scansionare il codice QR qui sotto.

Scan de QR-code hieronder voor gedetailleerde installatie en gebruiksinstructies.

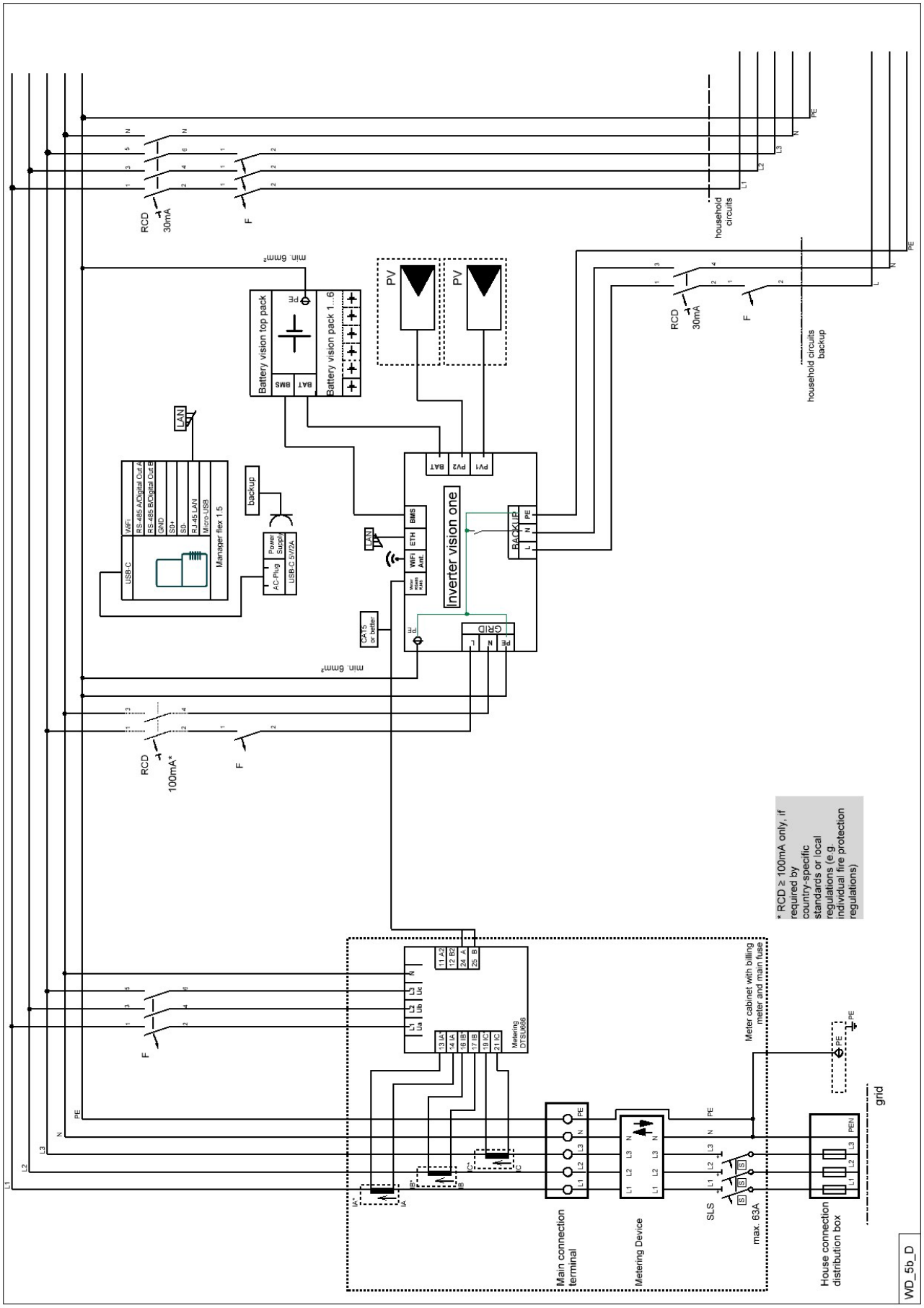
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SYSTEM DESIGN IN A SINGLE-PHASE NETWORK



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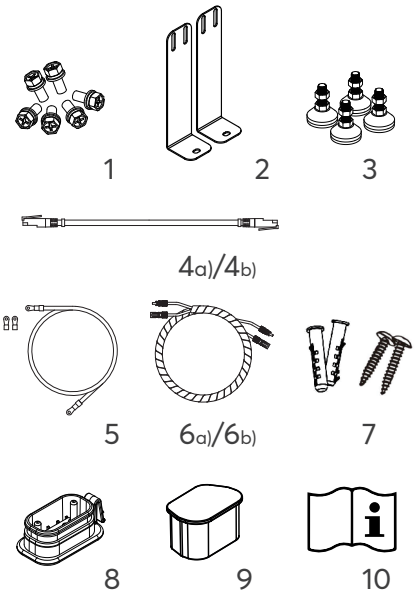
SYSTEM DESIGN IN A THREE-PHASE NETWORK



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Battery vision packs

Packing list top pack



1 Screws
2 for pack fixing and 4 for bracket-fixing
1a) M6 screws (top pack 2.0)
1b) M5 screws (top pack 1.0)

2 Fixing bracket

3 Footstand

4 Comm. cable, BMS - Inverter
4a) 3,0 m (top pack 2.0)
4b) 1.5 m (top pack 1.0)

5 Grounding cable
with 2 additional cable lugs

6 DC cable battery
6a) 3,0 m (top pack 2.0)
6b) 1.5 m (top pack 1.0)

7 2 Screws for wall-fixing

8 Bridging plug

9 Conncetor protection cover
(only included for pack 1.0)

10 Safety Instructions

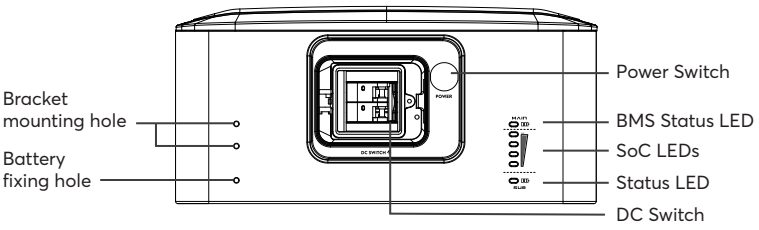
Packing list pack



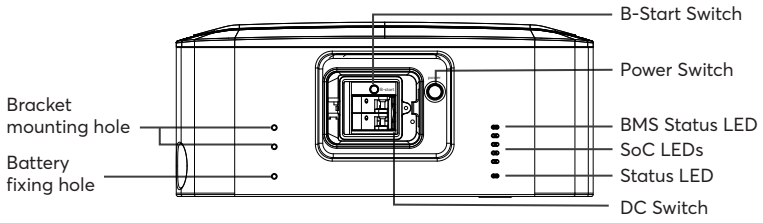
23 Screws for pack-fixing
23a) M6 screws (pack 2.0)
23b) M5 screws (pack 1.0)

24 Safety Instructions

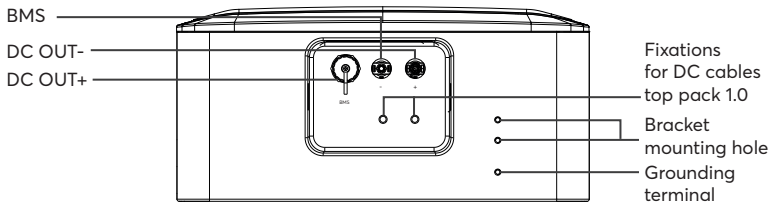
View from the left side top pack 2.0



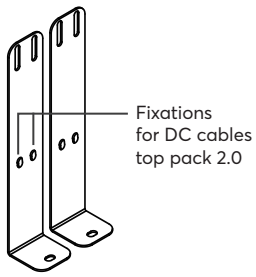
View from the left side top pack 1.0



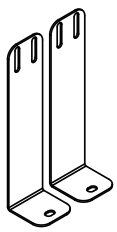
View from the right side

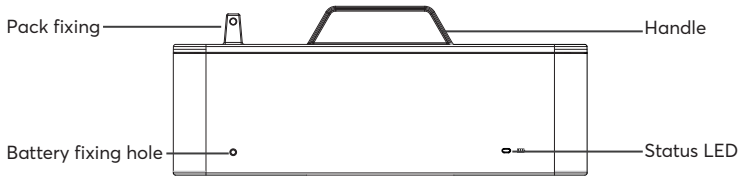


Fixing bracket
top pack 2.0



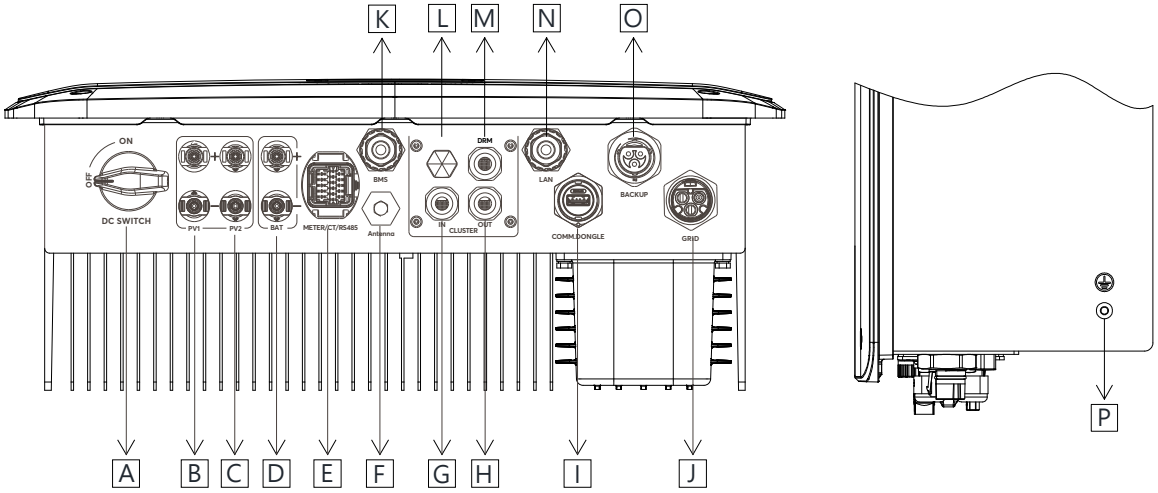
Fixing bracket
top pack 1.0



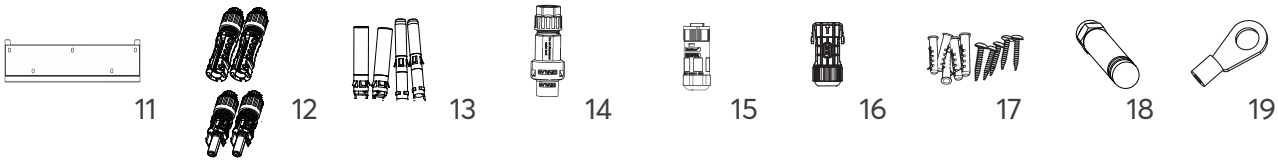


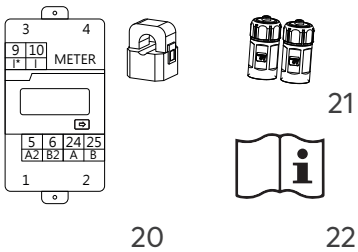
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Inverter vision one 1.0

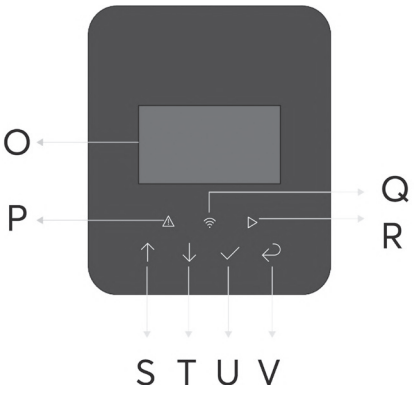


A DC SWITCH
B PV 1
C PV 2
D BATTERY CONNECTOR
E Meter / CT / RS485
F BLUETOOTH/WIFI
G CLUSTER IN
H CLUSTER OUT
I COMM. DONGLE
J GRID
K BMS
L WATERPROOF LOCK VALVE
M DRM
N LAN
O BACKUP
P GROUNDING





11 Fixing bracket
12 PV connectors (MC4 Stäubli)
13 PV pin contacts
14 AC connector grid (white ring)
15 AC connector backup (red ring)
16 Meter adapter with end splices
17 Screws for wall mounting dowels
18 Antenna
19 Cable lug for grounding cable
20 Meter with CT clamp
21 2x RJ45 plugs for outdoor installation (waterproof)
22 Safety Instructions Quikstart Guide



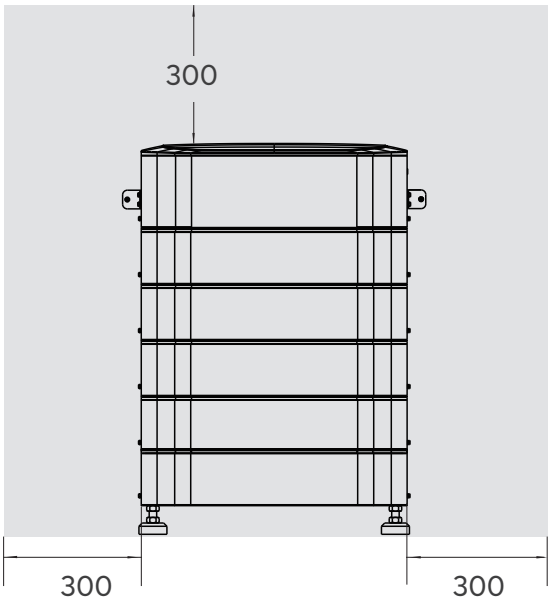
O LC display
P red: fault
Q blue: WiFi/LAN status
R green: operational state
S move up; increase value
T move down; decrease value
U confirm
V return/exit

Additional equipment required:

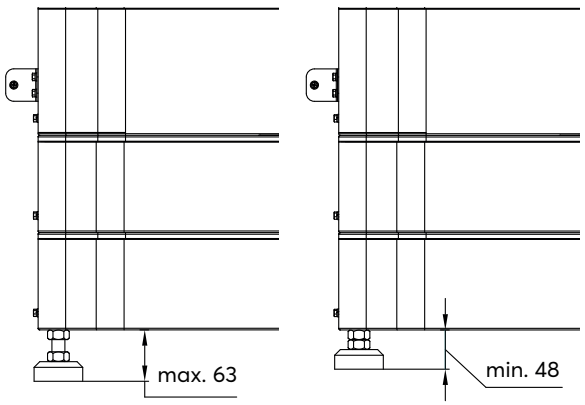
- communication cable (2-core RS485 cable) to chint-meter
- DC- and AC-cable for inverter
- LAN cable for inverter (optional)
- grounding cable for inverter
- circuit breaker

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DIMENSIONS BATTERY VISION [MM]



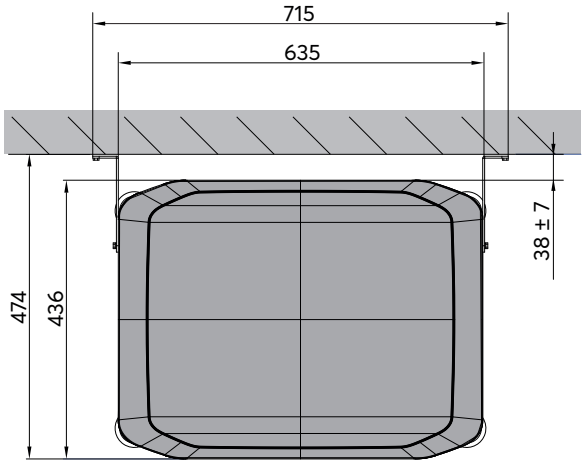
Minimum installation space
(min. working area in front: 1,200)



Flexible distance to the floor

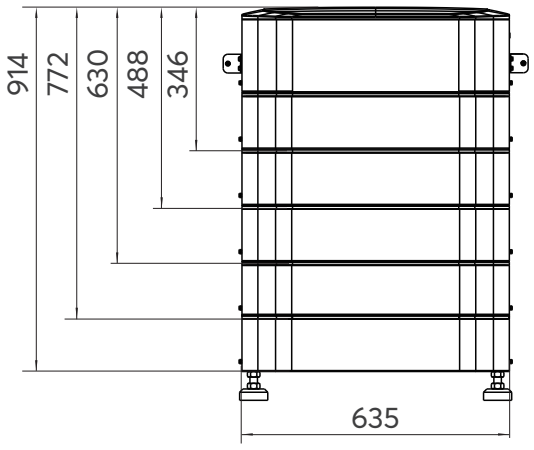
Battery vision 2.0

(view from above)



Installation width, depth
distance to the wall: 38 mm

Battery vision 2.0

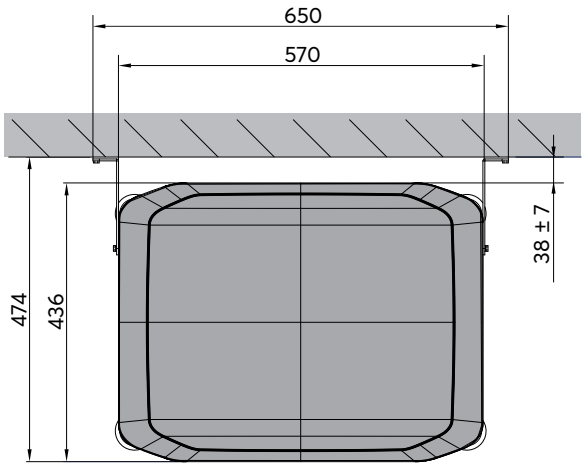


Installation height (without footstands)

DIMENSIONS BATTERY VISION [MM]

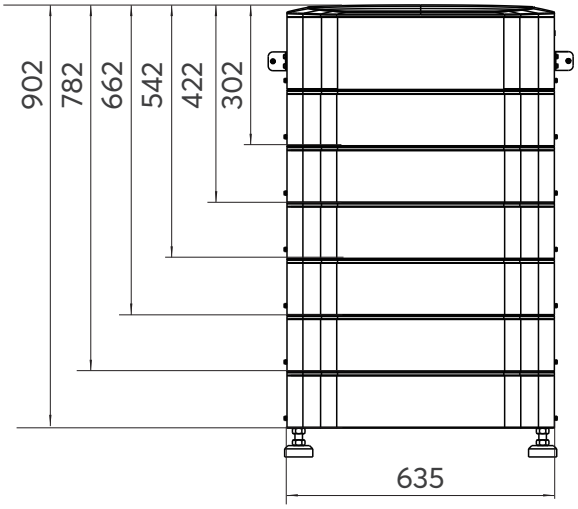
Battery vision 1.0

(view from above)



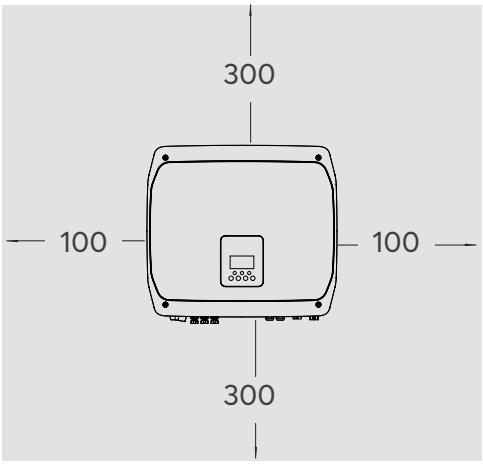
Installation width, depth
distance to the wall: 38 mm

Battery vision 1.0

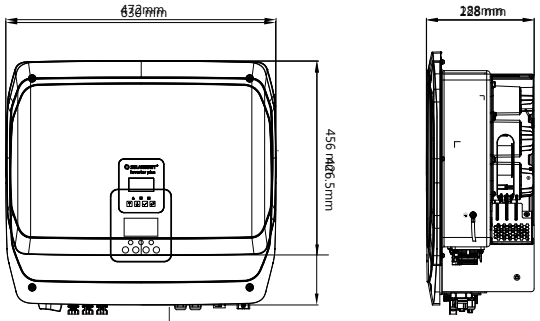


Installation height (without footstands)

DIMENSIONS INVERTER VISION ONE [MM]



Minimum installation space
(min. working area in front: 1,200)



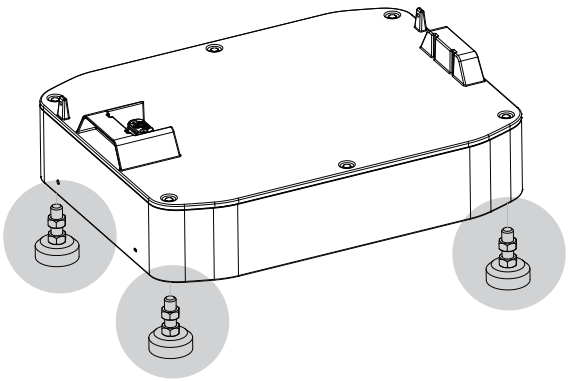
1,5 m
distance
to battery

Battery connection
cable length:

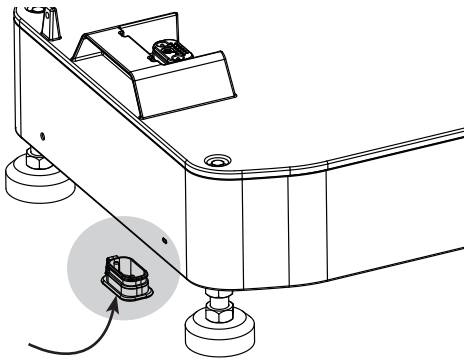
pack 2.0: 3.0 m
pack 1.0: 1.5 m

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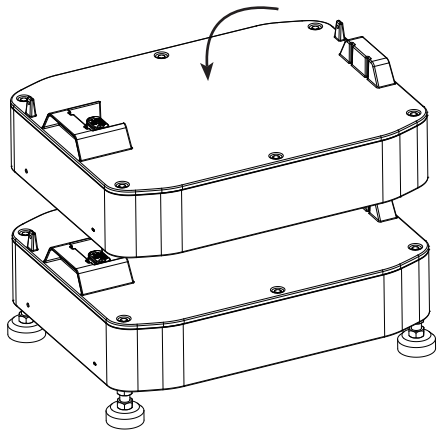
BATTERY PACKS ASSEMBLY AND WIRING



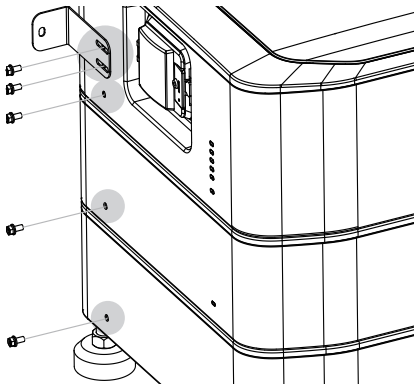
Screw in the four feet into the bottom pack **(3)**
(footstands are provided in the box of the top pack)



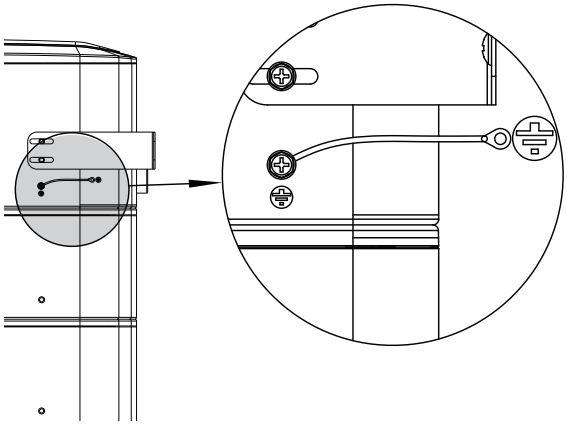
Insert bridging plug **(8)**
(plug is provided in the box of the top pack)



Stack packs from the bottom up, finishing with the top pack

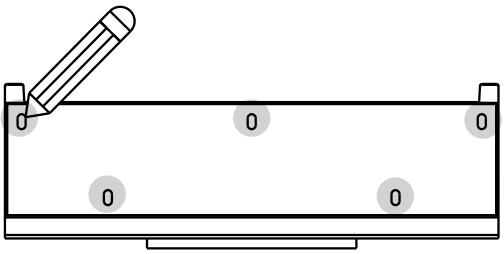


Fix top pack first with fixing bracket **(2)**
then fix packs with screws **(1)**

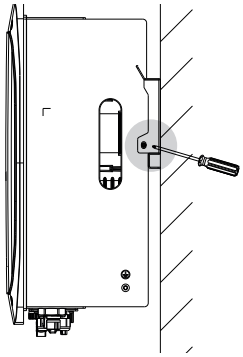


Connect grounding cable **(5)**

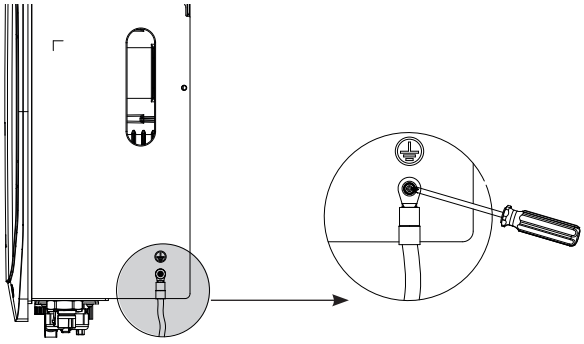
INVERTER ASSEMBLY AND WIRING



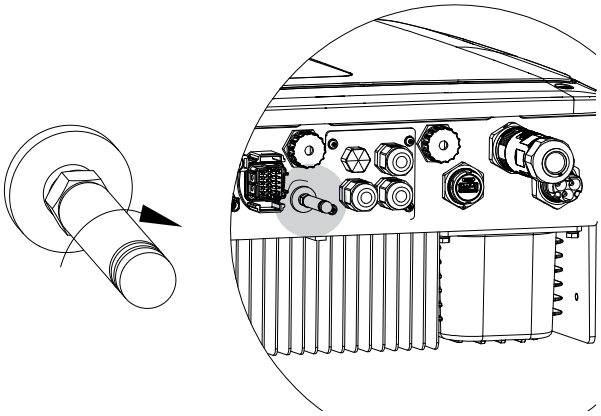
Fix wall bracket **(11)** with screws



Hang inverter over bracket, fix with one M5-screw

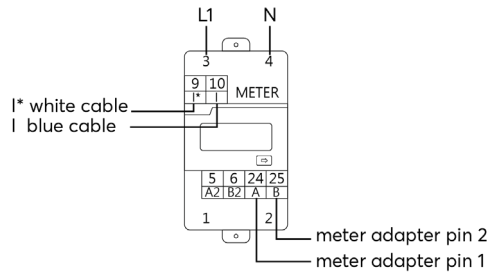


Connect ground terminal via cable lug **(19)**



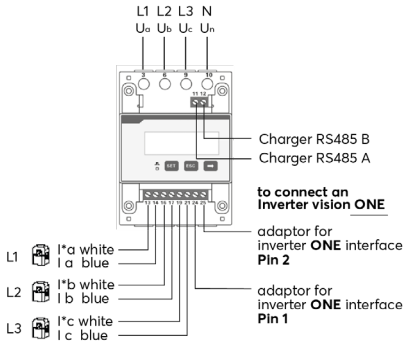
Screw in the antenna **(18)**

METER INSTALLATION AND WIRING



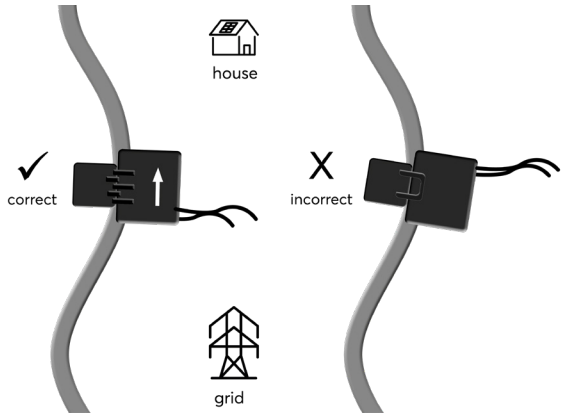
One-phase system

Install the **one-phase** meter **(20)** on the household cabinets's top hat rail
connect meter as per wiring diagram p. 4



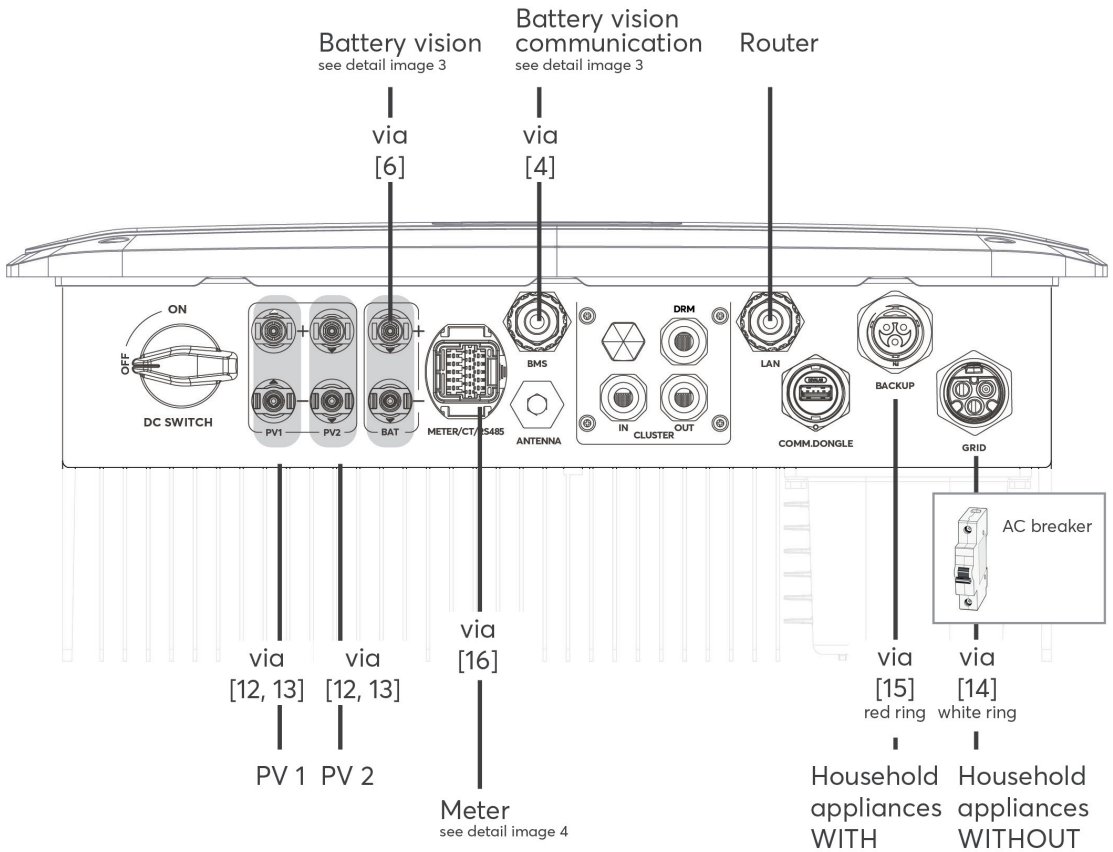
Three-phase system

Install the **three-phase** meter (MUST be ordered from Solarwatt) on the household cabinets's top hat rail
connect meter as per wiring diagram p. 5



Correct CT clamp current measurement direction: arrow on the CT clamp points in the direction of the domestic consumers

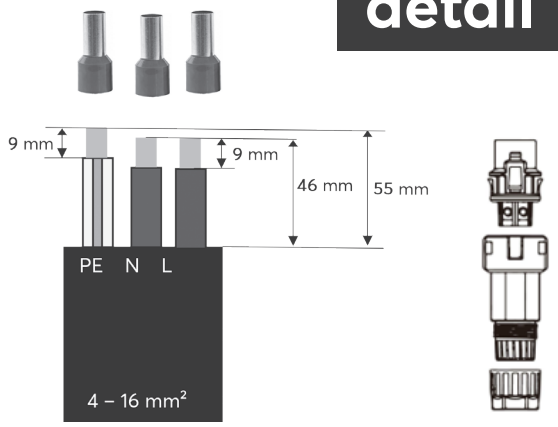
INVERTER WIRING



4 Communication cable BMS - Inverter (1,5 m)
6 DC cable battery (1,5 m)
12 PV connectors (MC4 Stäubli)
13 PV pin contacts
14 AC connector grid
15 AC connector backup
16 Meter adapter

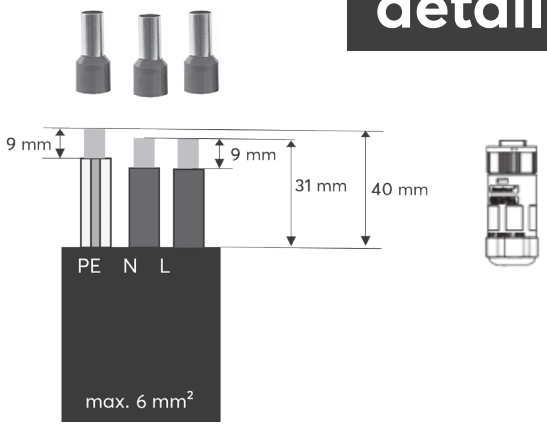
Cable requirements:
PV: 4 - 6 mm² MC4, Stäubli
AC: 4.0 - 16.0 mm²
Network: Standard LAN cable

detail 1



Connect AC grid **(14)**

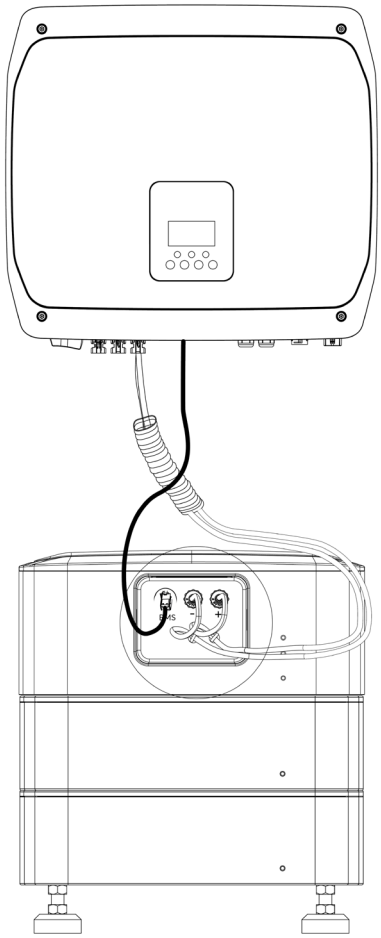
detail 2



Connect AC backup **(15)**

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detail 3

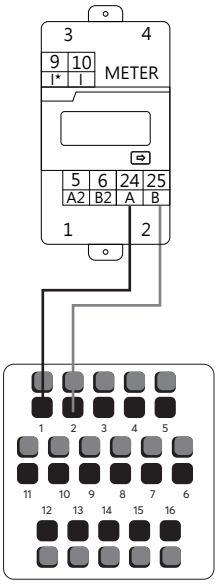


Connect Battery **(6, 4)**

detail 4a

PIN meter	24	25
PIN adapter	1	2

(connection-side view on the plug)

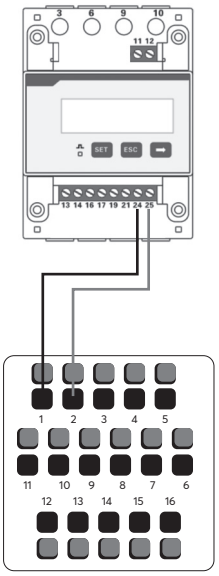


Connect the one-phase meter **(16)**

detail 4b

PIN meter	24	25
PIN adapter	1	2

(connection-side view on the plug)

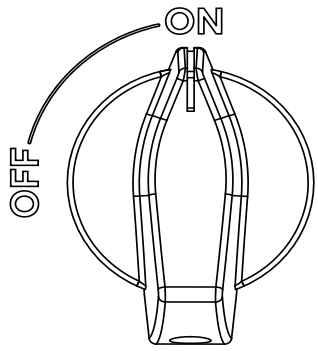


Alternatively for three phase networks:
Connect the three-phase meter (MUST be ordered from Solarwatt)

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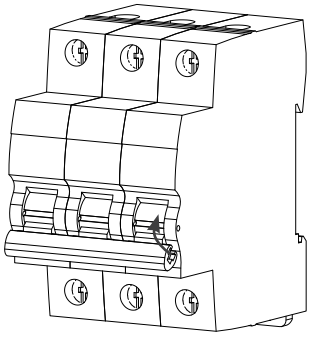
SYSTEM START UP

1



Turn inverter DC switch ON

2



Turn on
- AC breaker Grid
- AC breaker Backup (if locally required)

3

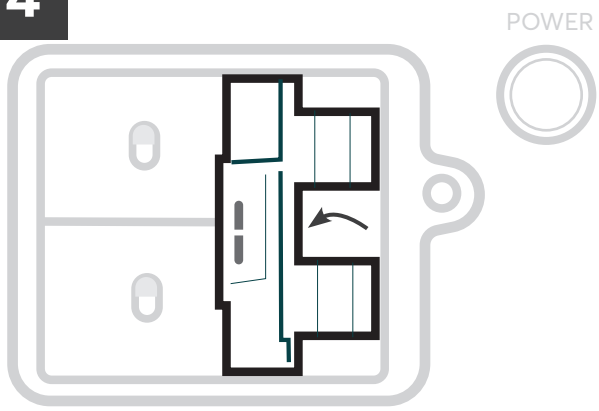


- set grid code for grid safety
- set the current date & time

Press inverter confirm button ✓ for 3 sec.

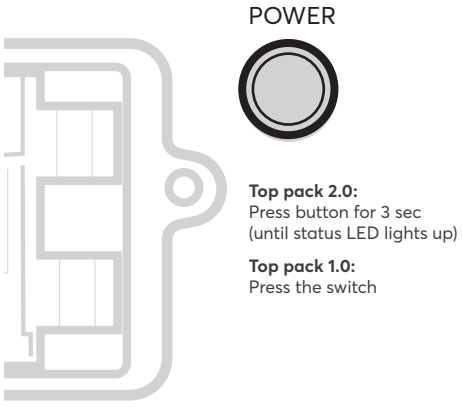
- select START

4



Turn battery DC switch (top pack) ON

5



Top pack 2.0:
Press button for 3 sec
(until status LED lights up)

Top pack 1.0:
Press the switch

Press battery POWER button (top pack)

A password is not required for the first-time configuration of the inverter. When subsequently prompted, the default password is 0000.

Customize the password at the end of commissioning to protect the inverter configuration.

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COMMISSIONING WITH THE SOLARWATT PRO APP

GET IT ON Google Play

Download on the App Store

Download the SOLARWATT Pro app and login with your SOLARWATT Pro portal account

SOLARWATT Pro app commissioning features:

Inverter vision
- Make the device connectable via WiFi
- CEI 0-21 selftest (Italy)
- Set Cos φ

Charger vision
- Make the devive connectable via WiFi
- RFID authorization
- Set maximum charging current (A)
- Setup load management (in preparation)

The SOLARWATT Pro app lets you commission the inverter over Bluetooth to let you use these features

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TURNING THE SYSTEM OFF

1



Press inverter confirm button ✓ for 3 sec.
- select STOP

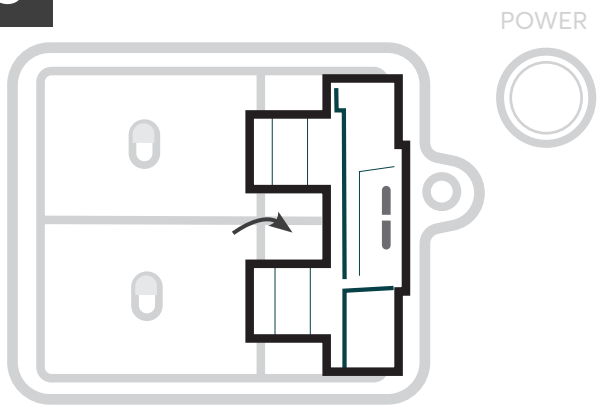
2

Top pack 2.0:
Press button for 5 sec
(until status LED turns off)

Top pack 1.0:
Press the switch

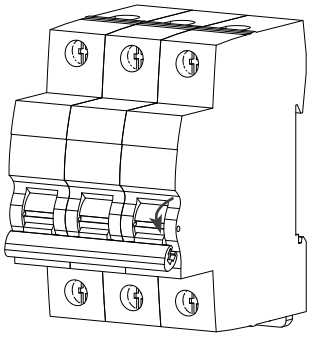
Press battery POWER button (top pack)

3



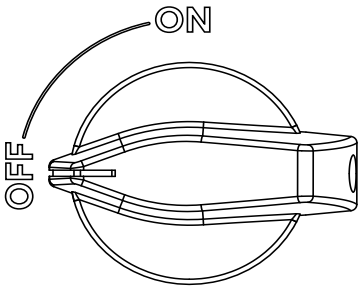
Turn battery DC switch (top pack) OFF

4



Turn off
- AC breaker Grid
- AC breaker Backup (if locally required)

5

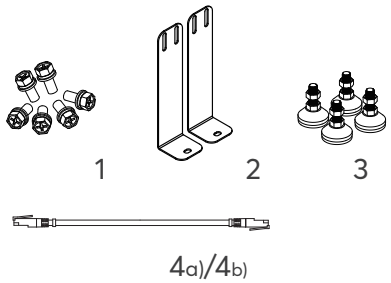


Turn inverter DC switch OFF

AUFBAU UND LIEFERUMFANG

Battery vision packs

Lieferumfang top pack



1 Schrauben,
2 für pack-Fixierung, 4 für Wandhalter-befestigung
1a) M6 (top pack 2.0)
1b) M5 (top pack 1.0)

2 Befestigungswinkel

3 Standfüße

4 Komm. kabel, BMS - Inverter
4a) 3,0 m (bei pack 2.0)
4b) 1.5 m (bei pack 1.0)

5 Erdungskabel
mit 2 zusätzlichen Kabelschuhen

6 DC-Kabel Batterie
6a) 3,0 m (bei pack 2.0)
6b) 1.5 m (bei pack 1.0)

7 2 Schrauben für
für Wandbefestigung

8 Brückenstecker

9 Schutzabdeckung
für Anschlüsse (nur enthalten bei pack 1.0)

10 Sicherheitshinweise

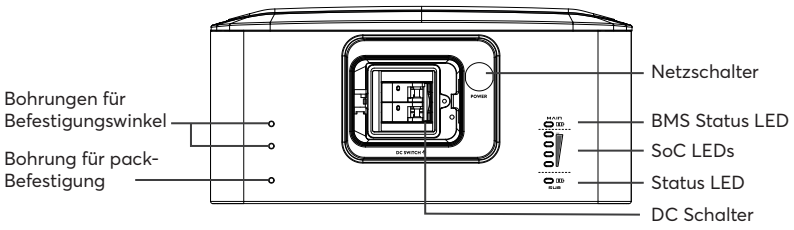
Lieferumfang pack



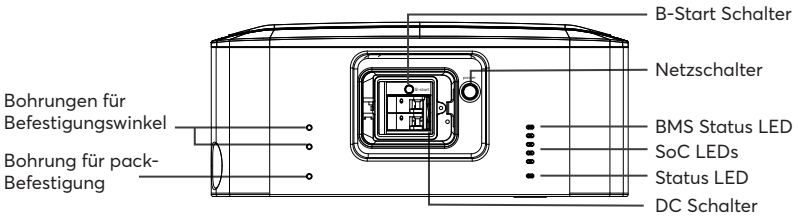
23 Schrauben
für pack Befestigung
1a) M6 (pack 2.0)
1b) M5 (pack 1.0)

24 Sicherheitshinweise

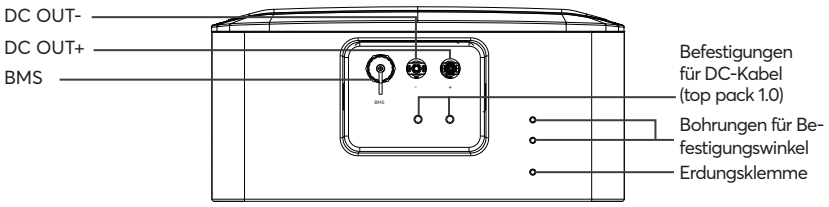
Ansicht von links top pack 2.0



Ansicht von links top pack 1.0



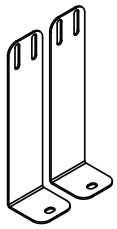
Ansicht von rechts

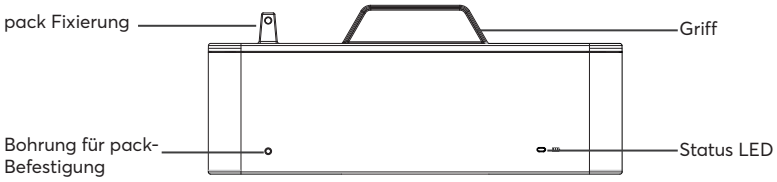


Befestigungswinkel top pack 2.0



Befestigungswinkel top pack 1.0

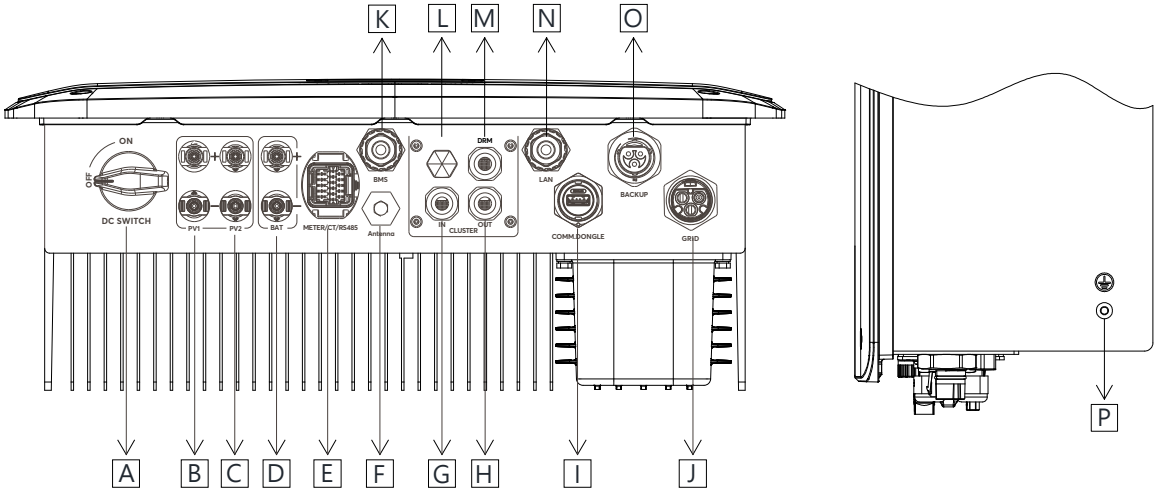




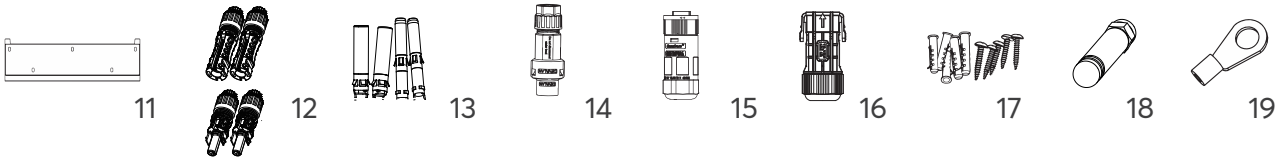
#06076 | Rev 17 | 07.09.2026

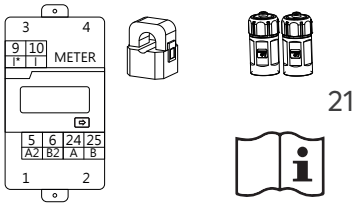
AUFBAU UND LIEFERUMFANG

Inverter vision one 1.0

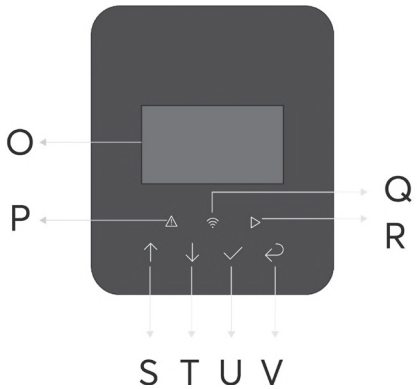


A DC SCHALTER
B PV 1
C PV 2
D BATTERIEANSCHLUSS
E ZÄHLER / CT-KLEMME / RS485
F BLUETOOTH/WIFI
G CLUSTER IN
H CLUSTER OUT
I KOMM. DONGLE
J NETZ
K BMS
L ANSCHLUSSABDECKUNG
M DRM
N LAN
O BACKUP
P ERDUNG





11 Wandhalter
12 PV-Steckverbinder (MC4 Stäubli)
13 PV-Pin-Kontakte
14 AC-Steckverbinder Netz (weißer Ring)
15 AC-Steckverbinder Backup (roter Ring)
16 Zähleradapter mit Aderendhülsen
17 Schrauben für Wandbefestigung, Dübel
18 Antenne
19 Kabelschuh für Erdungskabel
20 Zähler mit CT-Klemme
21 2x RJ45 Stecker für outdoor Installation (wasserdicht)
22 Sicherheitshinweise Schnellstartanleitung

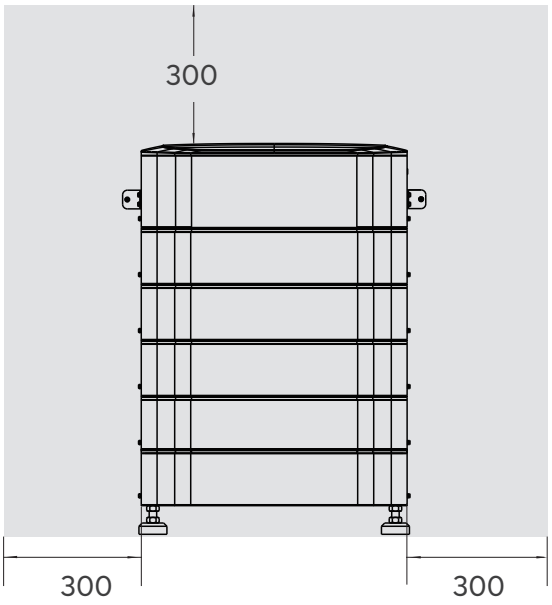


O LC display
P rot: Fehler
Q blau: WLAN/LAN Status
R grün: betriebsbereit
S hoch; Wert erhöhen
T runter; Wert verringern
U bestätigen
V zurück/beenden

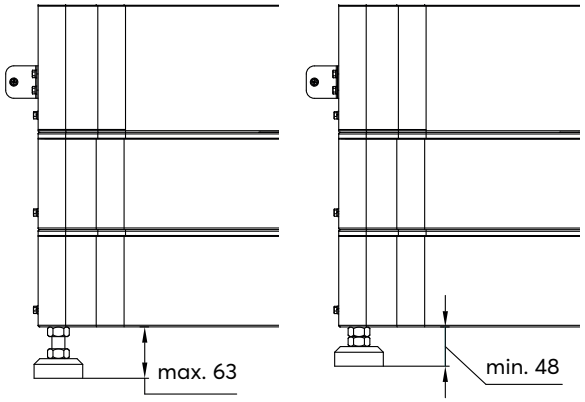
Zusätzlich benötigt:
- Kommunikationskabel (2-adriges RS485-Kabel) für die Verbindung mit dem Zähler
- DC- und AC-Kabel für den Wechselrichter
- LAN-Kabel für den Wechselrichter (optional)
- Erdungskabel für den Wechselrichter
- Leitungsschutzschalter

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ABMESSUNGEN BATTERY VISION [MM]



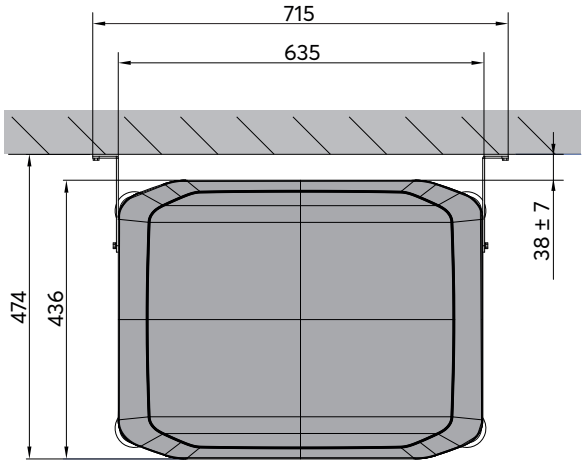
Minimaler Platz für die Installation
(min. Arbeitsbereich nach vorn: 1.200)



Flexibler Abstand zum Boden

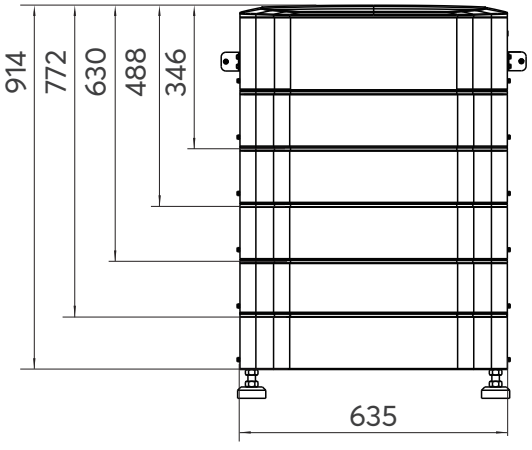
Battery vision 2.0

(Ansicht von oben)



Installationsbreite und -tiefe
Abstand zur Wand: 38 mm

Battery vision 2.0



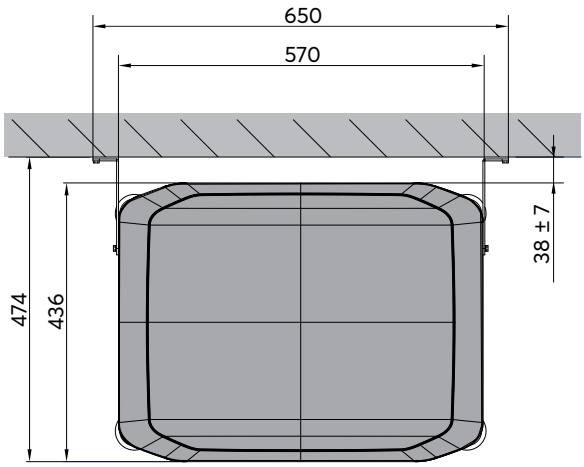
Installationshöhe (ohne Standfüße)

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DIMENSIONS BATTERY VISION [MM]

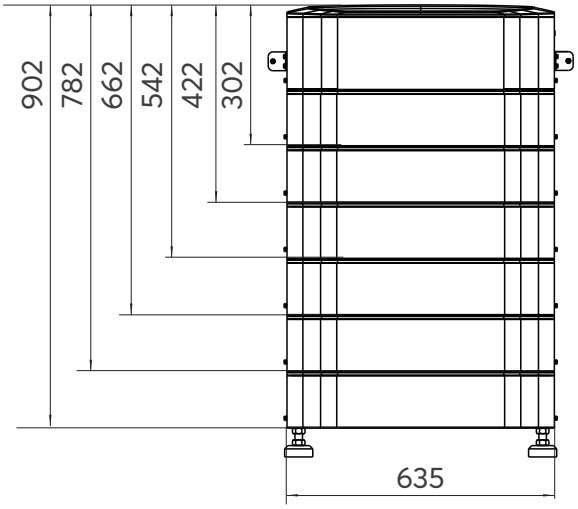
Battery vision 1.0

(Ansicht von oben)



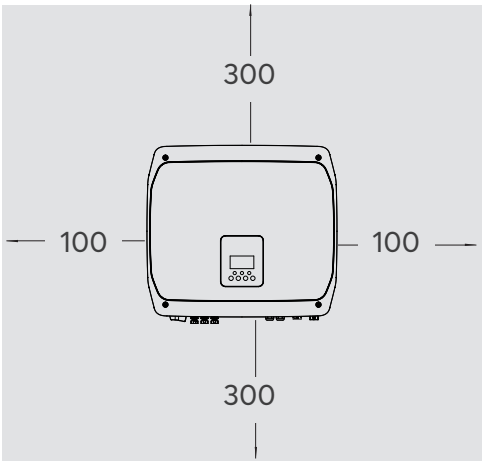
Installationsbreite und -tiefe
Abstand zur Wand: 38 mm

Battery vision 1.0

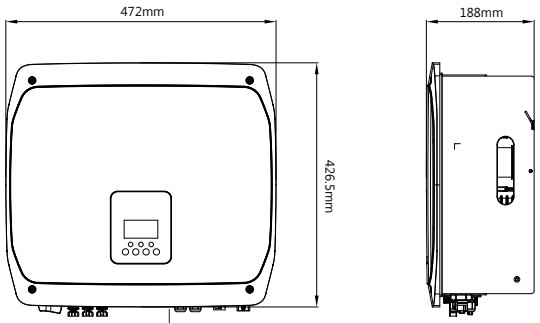


Installationshöhe (ohne Standfüße)

ABMESSUNGEN INVERTER VISION ONE [MM]



Minimaler Platz für die Installation
(min. Arbeitsbereich nach vorn: 1.200)



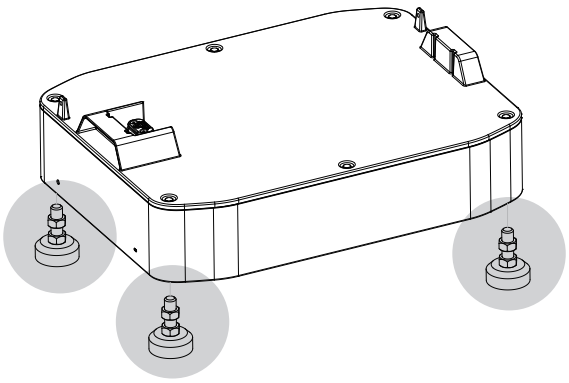
1,5 m
Abstand zur
Batterie

Kabellänge zur Verbindung mit der Batterie:

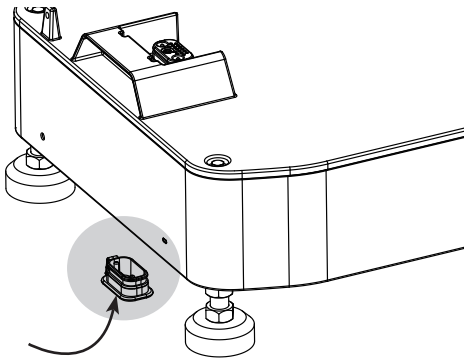
pack 2.0: 3,0 m
pack 1.0: 1,5 m

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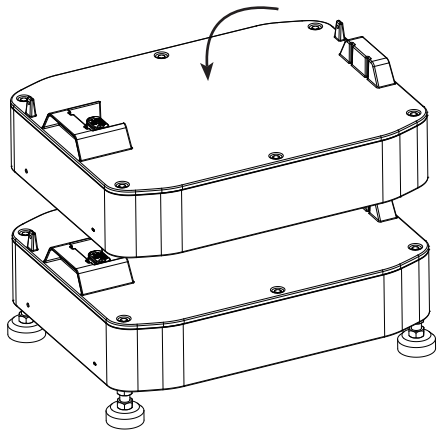
MONTAGE UND VERKABELUNG BATTERY PACKS



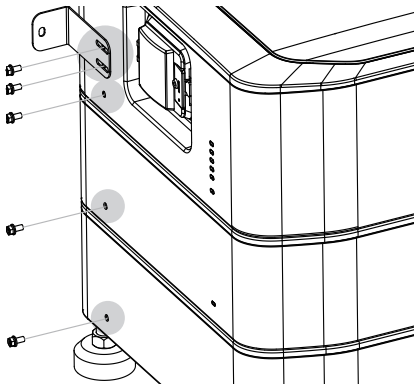
4 Standfüße **(3)** am unteren Battery pack anbringen
(Standfüße sind Teil der Verpackung des top packs)



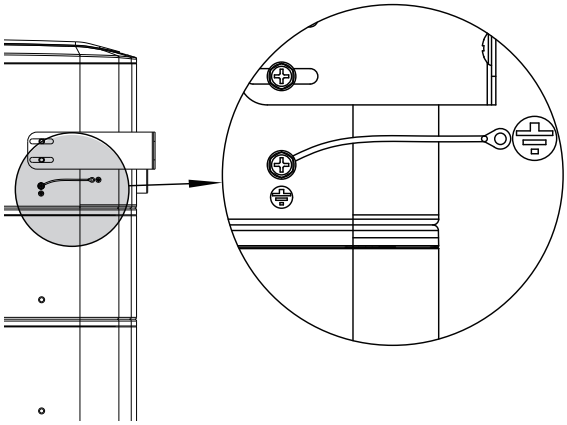
Brückenstecker **(8)** anbringen
(Brückenstecker ist Teil der Verpackung des top packs)



packs aufstapeln, top pack als letztes

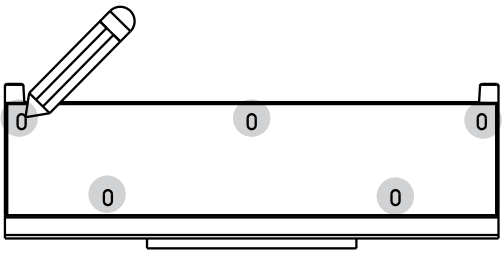


top pack erst mit Befestigungswinkeln **(2)** fixieren, packs mit Schrauben **(1)** fixieren

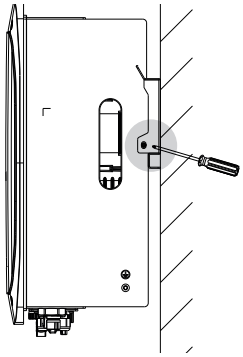


Erdungskabel **(5)** anschließen

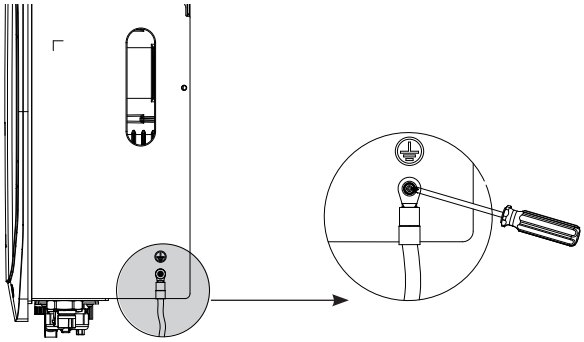
MONTAGE UND VERKABELUNG INVERTER



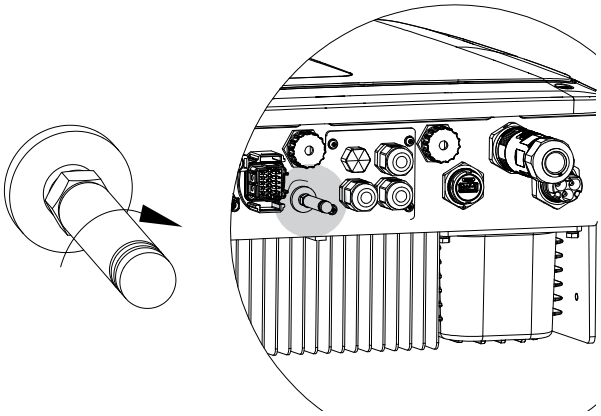
Wandhalter **(11)** mit Schrauben befestigen



Wechselrichter auf den Wandhalter hängen, mit M5 Schrauben fixieren

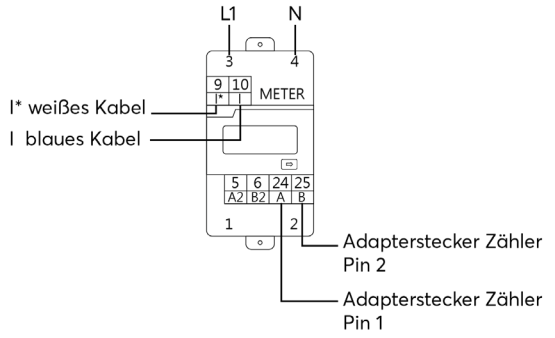


Erdungsklemme über Kabelschuh **(19)** anschließen



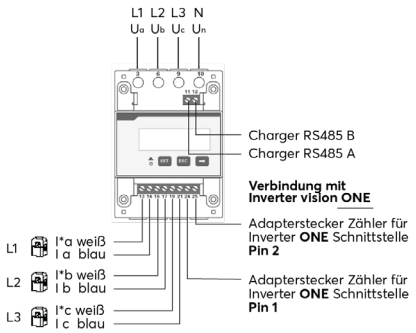
Antenne **(18)** einschrauben

ZÄHLER INSTALLATION UND VERKABELUNG



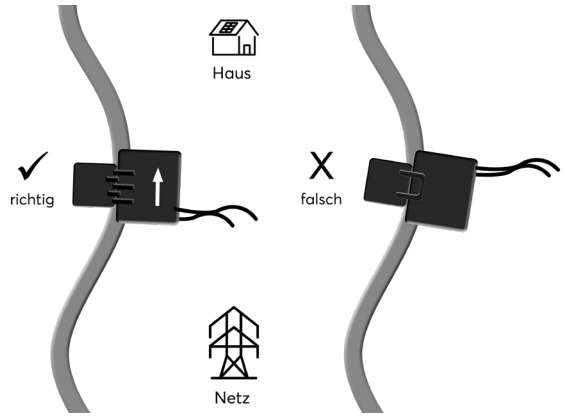
Einphasiges System

Einphasen-Zähler (20) auf der Hutschiene im Schaltschrank montieren, Zähler entsprechend dem Schaltplan S. 4 verkabeln



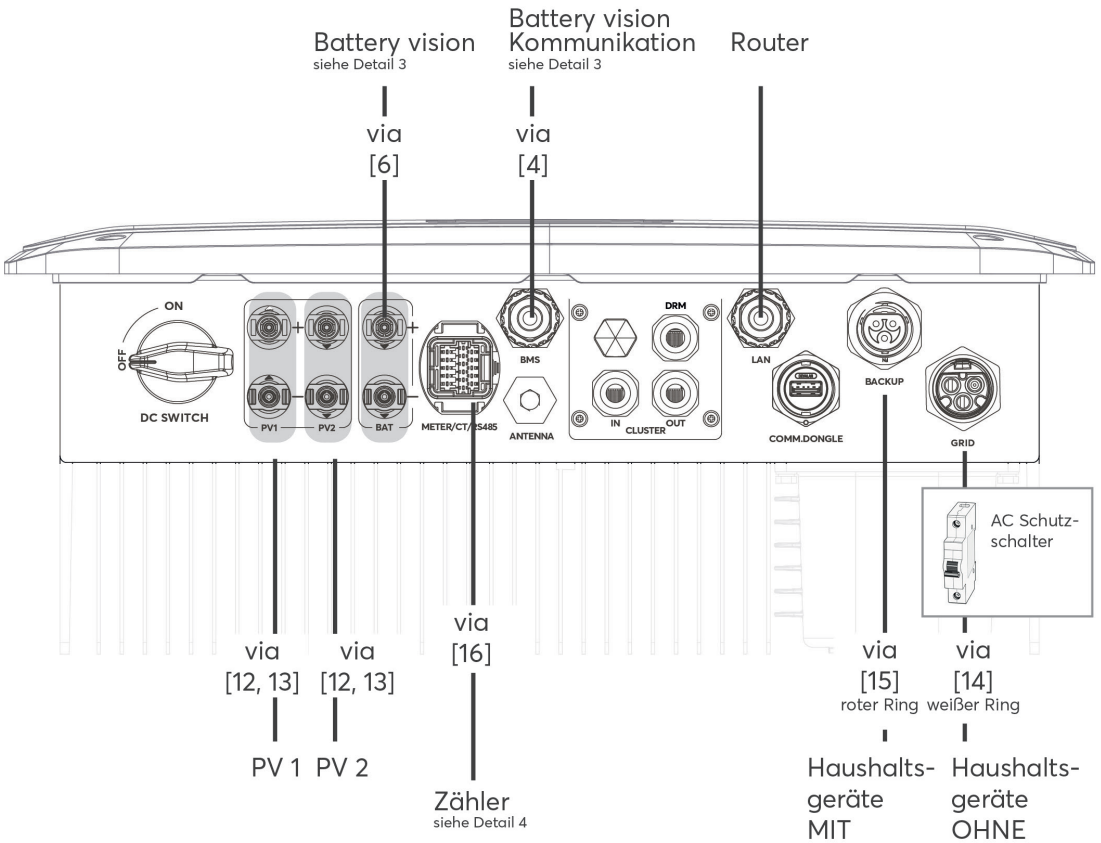
Dreiphasiges System

Dreiphasen-Zähler (MUSS bei Solarwatt bestellt werden) auf der Hutschiene im Schaltschrank montieren, Zähler entsprechend dem Schaltplan S. 5 verkabeln



Richtige Strommessrichtung der CT-Klemme: Pfeil auf der CT-Klemme zeigt in Richtung der Haushaltsverbraucher

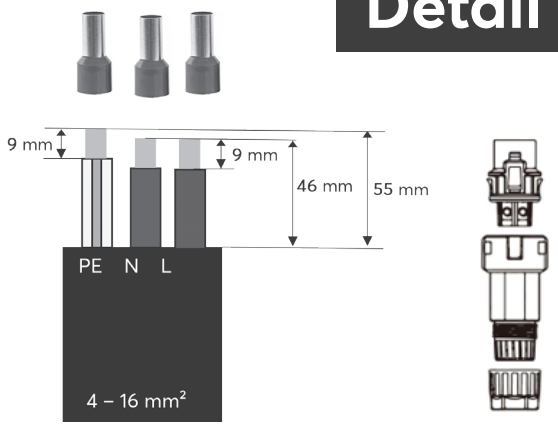
WECHSELRICHTER VERKABELUNG



4 Kommunikationskabel BMS - Wechselrichter (1,5 m)
6 DC-Kabel Batterie (1,5 m)
12 PV-Steckverbinder (MC4 Stäubli)
13 PV-Pin-Kontakte
14 AC-Steckverbinder Netz
15 AC-Steckverbinder Backup
16 Zähleradapter

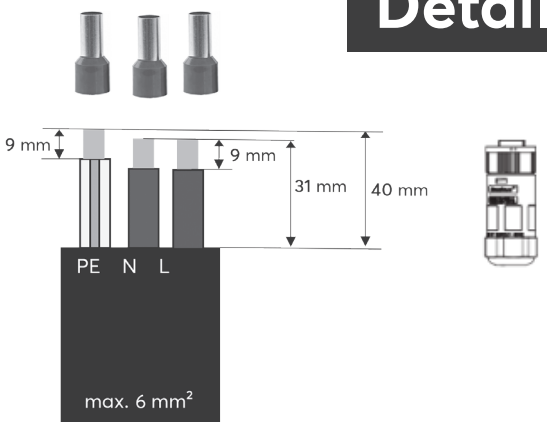
Anforderungen an die Kabel:
PV: 4 - 6 mm² MC4, Stäubli
AC: 4,0 - 16,0 mm²
Netzwerk: Standard LAN Kabel

Detail 1



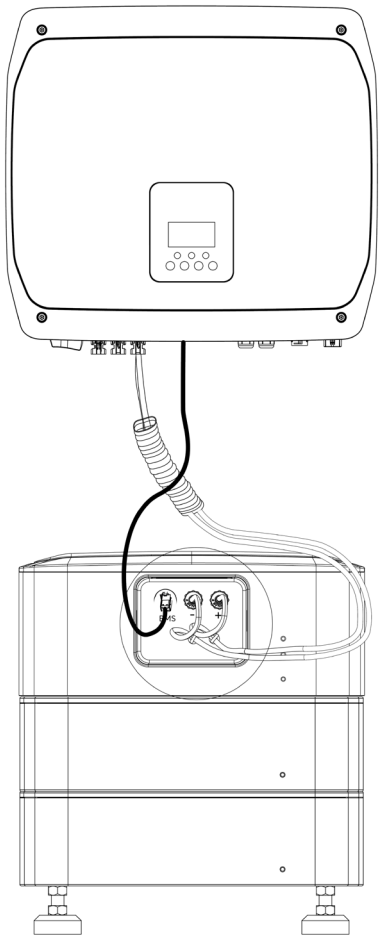
AC Netz **(14)** verbinden

Detail 2



AC Backup **(15)** verbinden

Detail 1

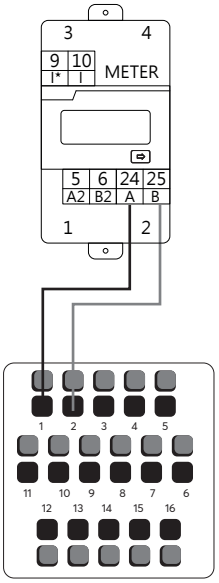


Batterie verbinden **(6, 4)**

Detail 2a

PIN Zähler	24	25
PIN Adapter	1	2

(Ansicht auf den Adapter von der Seite der Anschlüsse)

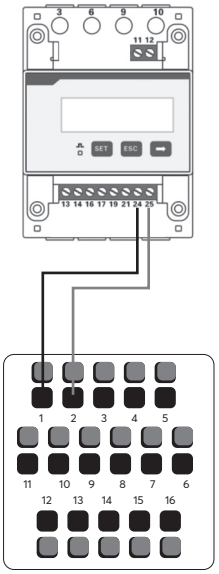


Einphasenzähler verbinden **(16)**

Detail 2b

PIN Zähler	24	25
PIN Adapter	1	2

(Ansicht auf den Adapter von der Seite der Anschlüsse)

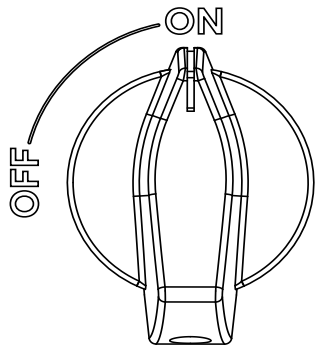


Alternativ in 3-phasigen Netzwerken:
Dreiphasenzähler (MUSS bei Solarwatt bestellt werden) verbinden

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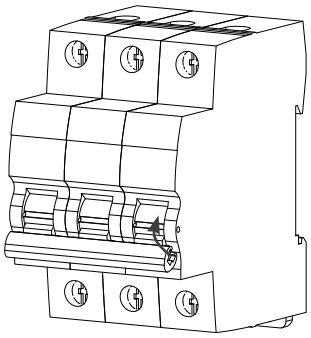
SYSTEMSTART

1



DC-Schalter am Wechselrichter anschalten

2



- AC-Sicherung Netz und
- AC-Sicherung backup (falls nach den örtlichen Vorgaben notwendig und vorhanden)

einschalten

3

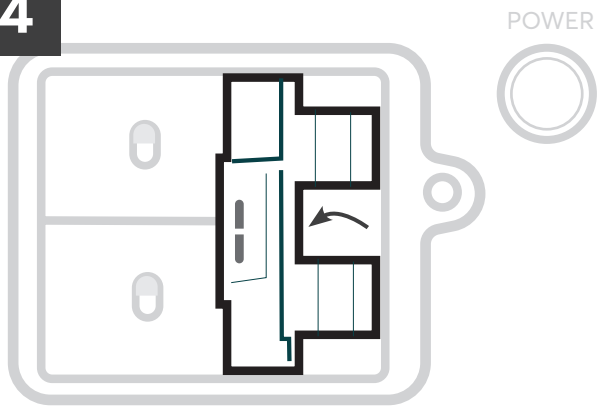


- Gridcode für Netzsicherheit einstellen
- Datum und Zeit einstellen

Bestätigen Button am Wechselrichter ✓ für 3 Sekunden drücken

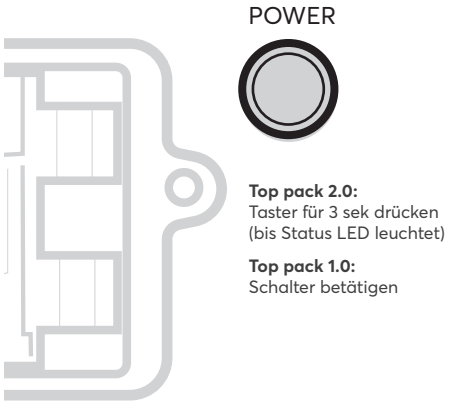
- START wählen

4



DC-Schalter an der Batterie (top pack) anschalten

5



Top pack 2.0:
Taster für 3 sek drücken
(bis Status LED leuchtet)

Top pack 1.0:
Schalter betätigen

POWER button an der Batterie (top pack) betätigen

Für die Erstinstallation benötigen Sie kein Wechselrichter-Passwort. Für spätere Einstellungen lautet das Passwort 0000.

Passen Sie das Passwort am Ende der Inbetriebnahme an, um die Konfiguration des Wechselrichters zu sichern.

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VERBINDUNG MIT DER SOLARWATT PRO APP

GET IT ON Google Play

Download on the App Store

SOLARWATT Pro app herunterladen und mit dem SOLARWATT Pro-account einloggen

SOLARWATT Pro app Inbetriebnahmefunktionen:

Inverter vision
- das Gerät mit dem WLAN verbinden
- CEI 0-21 Selbsttest (Italien)
- Cos φ einstellen

Charger vision
- das Gerät mit dem WLAN verbinden
- RFID-Autorisierung bearbeiten
- Maximalen Ladestrom (A) einstellen
- Lastmanagement einrichten (Funktion in Vorbereitung)

Wechselrichter-Gerät über die SOLARWATT Pro app suchen und installieren, um diese Funktionen auszuführen

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SYSTEM AUSSCHALTEN

1



Bestätigen Button am Wechselrichter für 3 Sekunden drücken
- STOP wählen

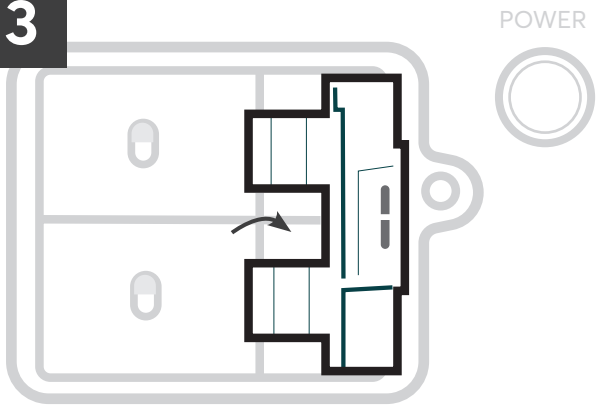
2

Top pack 2.0:
Taster für 5 sek drücken
(bis die Status LED erlischt)

Top pack 1.0:
Schalter betätigen

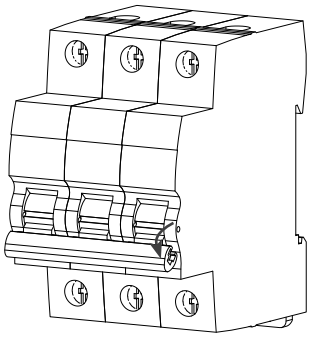
POWER button an der Batterie (top pack) betätigen

3



DC-Schalter an der Batterie (top pack) ausschalten

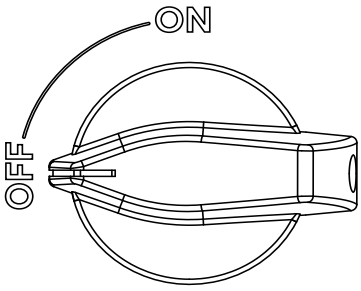
4



- AC-Sicherung Netz und
- AC-Sicherung backup (falls nach den örtlichen Vorgaben notwendig und vorhanden)

ausschalten

5



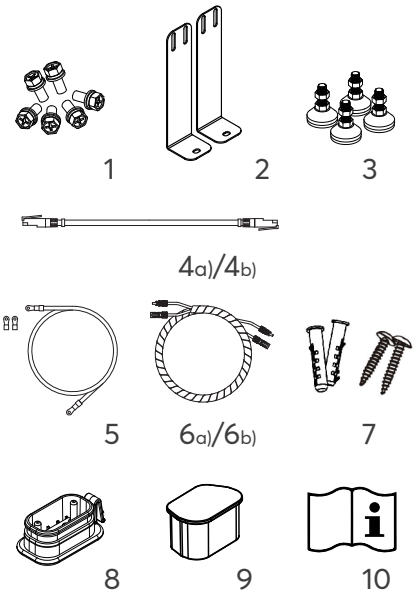
DC-Schalter am Wechselrichter auschalten

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COMPOSITION DU SYSTÈME ET CONTENU DE LA LIVRAISON

Battery vision packs

Contenu de la livraison top pack



1 Vis
2 pour visser les packs et
4 pour les équerres de montage
1a) M6 (top pack 2.0)
1b) M5 (top pack 1.0)

2 Équerres de montage

3 Pied de support

4 Câble de comm. BMS-Inverter
4a) 3,0 m (pack 2.0)
4b) 1.5 m (pack 1.0)

5 Câble de mise à la terre
(avec 2 cosses suppl.)

6 Câble DC batteries
6a) 3,0 m (pack 2.0)
6b) 1.5 m (pack 1.0)

7 2 vis à visser au mur

8 Connecteur jumper

9 Couvercle de protection du connecteur
(uniquement inclus dans le pack 1.0)

10 Consignes de sécurité

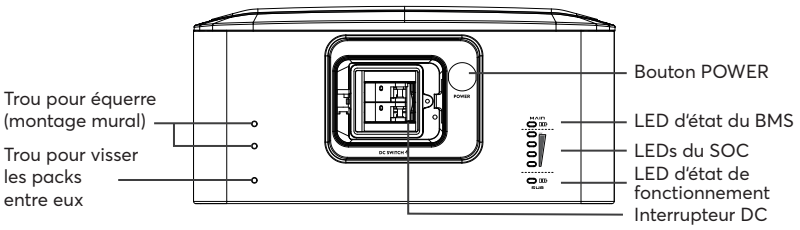
Contenu de la livraison pack



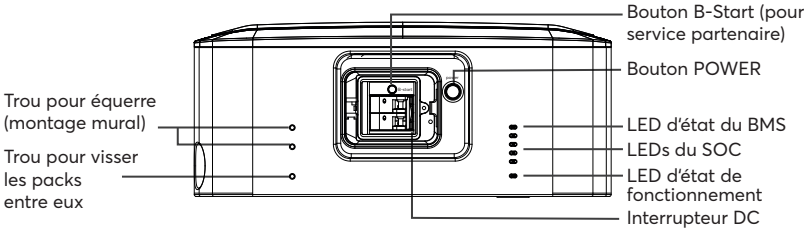
23 Vis pour visser les packs et les équerres de montage
23a) M6 (pack 2.0)
23b) M5 (pack 1.0)

24 Consignes de sécurité

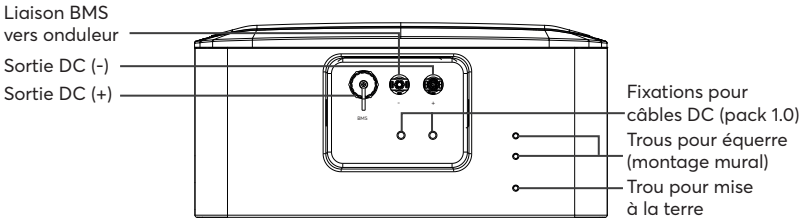
Vue du côté gauche top pack 2.0



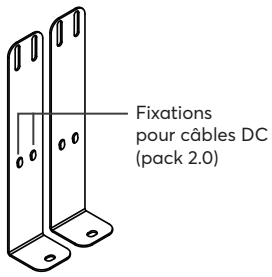
Vue du côté gauche top pack 1.0



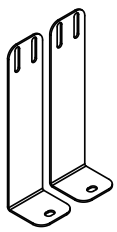
Vue du côté droit

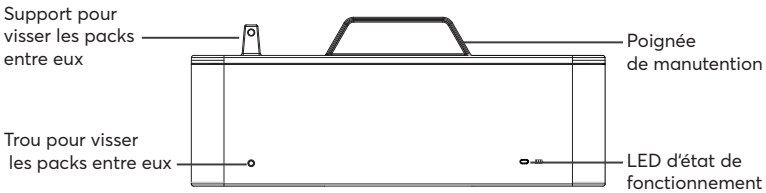


Équerres de montage top pack 2.0



Équerres de montage top pack 1.0

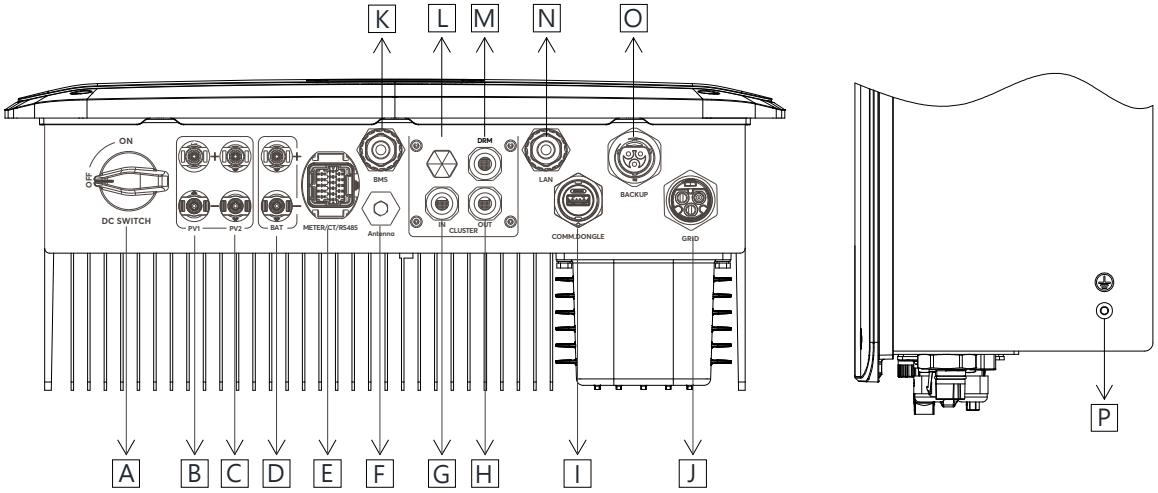




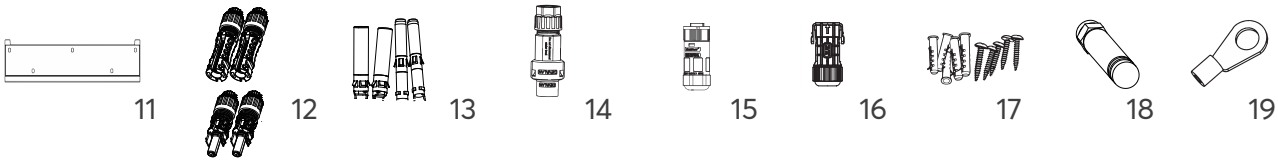
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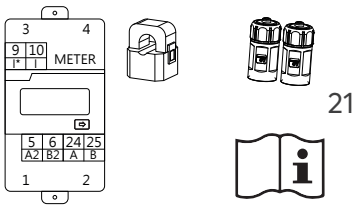
COMPOSITION DU SYSTÈME ET CONTENU DE LA LIVRAISON

Inverter vision one 1.0

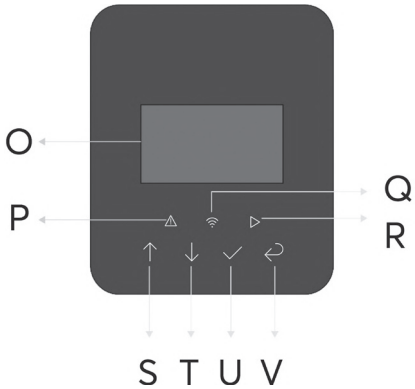


A Interrupteur **DC SWITCH**
B Entrées **PV 1**
C Entrées **PV 2**
D Connecteurs batteries
E Port **Meter / CT / RS485**
F Antenne **BLUETOOTH/WIFI**
G Entrée **CLUSTER (IN)**
H Sortie **CLUSTER (OUT)**
I Port **COMM. DONGLE**
Service USB sticks for special updates
J Sortie AC **GRID**
K Liaison **BMS** depuis batteries
L Bouchon étanche
M Port **DRM**
N PORT **LAN**
O Sortie AC **BACKUP**
P Mise à la terre





11 Support de montage
12 Connecteurs PV (MC4 Stäubli)
13 Cosses des connecteurs PV
14 Connecteur AC GRID (blanc)
15 Connecteur AC BACKUP (rouge)
16 Connecteur pour liaison avec le compteur (METER)
17 Vis pour support de montage, chevilles
18 Antenne
19 Cosse pour mise à la terre
20 Compteur avec pince TC
21 2x prises RJ45 pour installation extérieure (étanche)
22 Consignes de sécurité
Guide de démarrage rapide



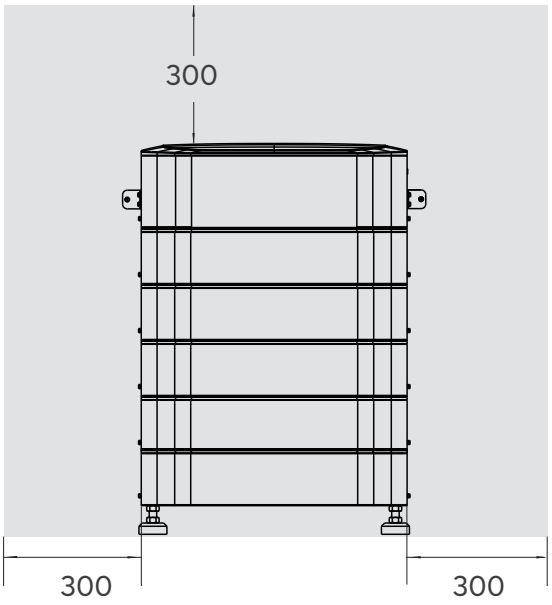
O Affichage LCD
P Rouge : défaut
Q Bleu : activité du WiFi/Ethernet
R Vert : état opérationnel
S Monter : augmenter la valeur
T Descendre : diminuer la valeur
U Confirmer
V Retour/sortie

Équipement supp. requis :

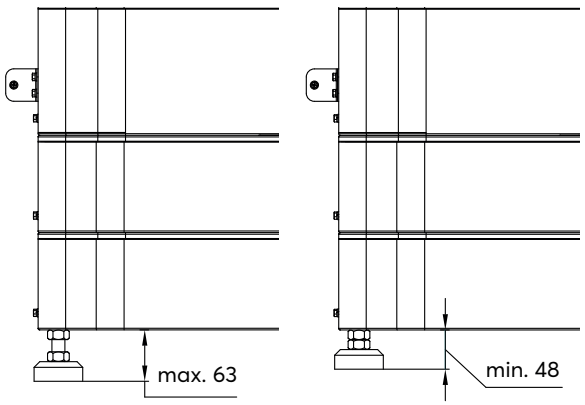
- Câble de communication (RS485 2 fils) pour la liaison avec le compteur Chint (METER)
- Câble DC et AC pour l'onduleur
- Câble LAN pour l'onduleur (en option)
- Câble de mise à la terre de l'onduleur
- Disjoncteur

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DIMENSIONS DE LA BATTERY VISION [MM]



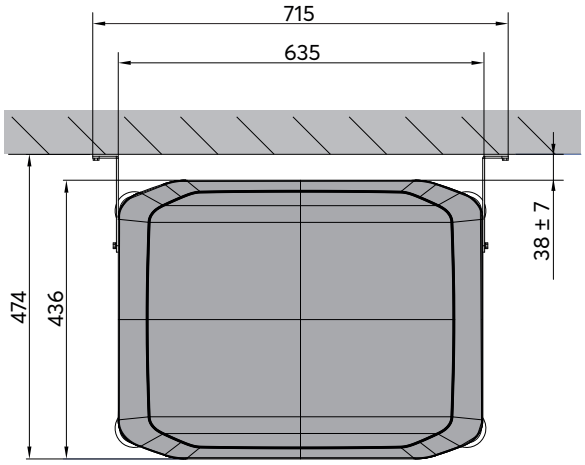
Espace d'installation minimum
(Distance de travail min. à l'avant : 1.200)



Distance ajustable par rapport au sol

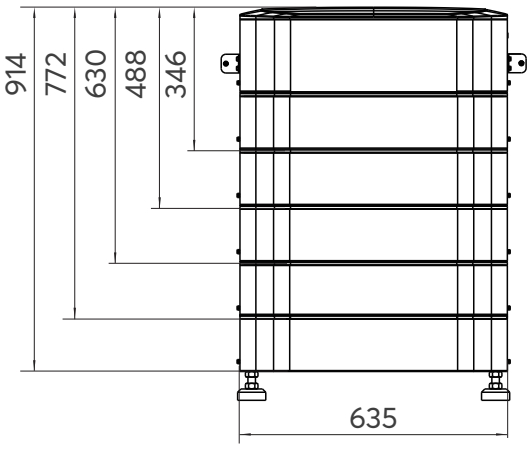
Battery vision 2.0

(vue du dessus)



Largeur et profondeur du système
Distance du mur : 38 mm

Battery vision 2.0



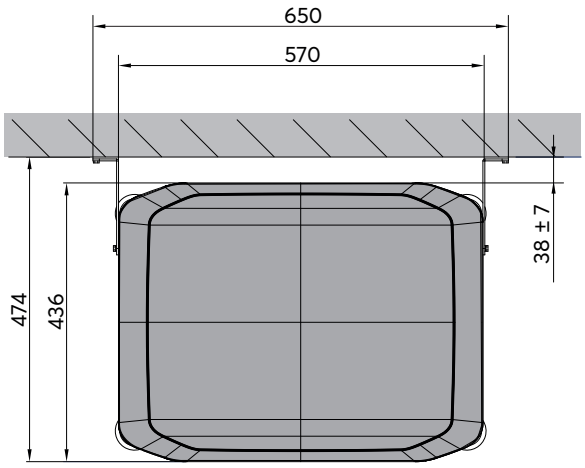
Hauteur du système de batteries
(sans pieds)

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DIMENSIONS DE LA BATTERY VISION [MM]

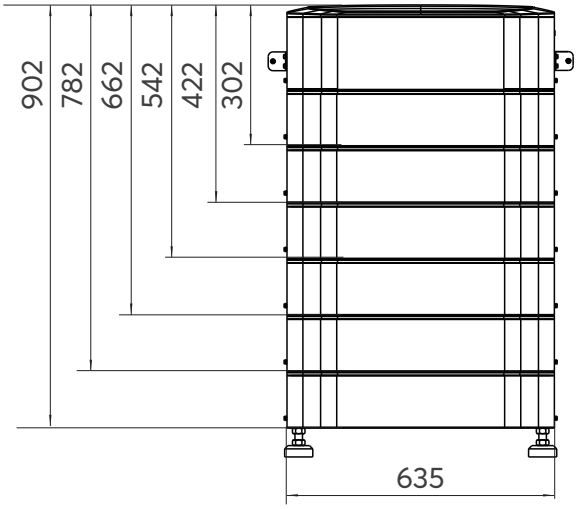
Battery vision 1.0

(vue du dessus)



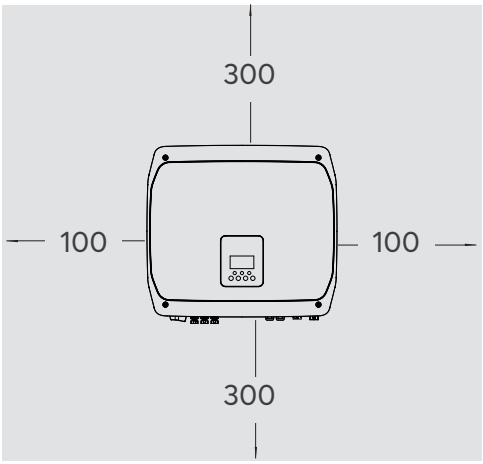
Largeur et profondeur du système
Distance du mur : 38 mm

Battery vision 1.0

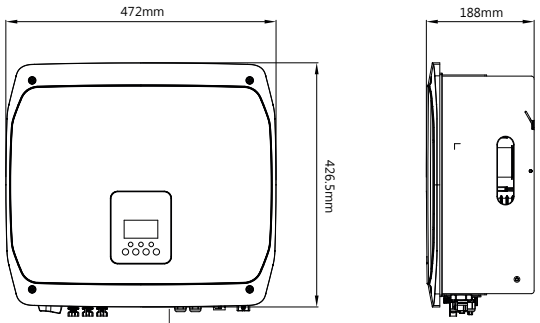


Hauteur du système de batteries
(sans pieds)

DIMENSIONS DE L'ONDULEUR INVERTER VISION ONE [MM]



Espace d'installation minimum
(surface de travail min. devant : 1.200)

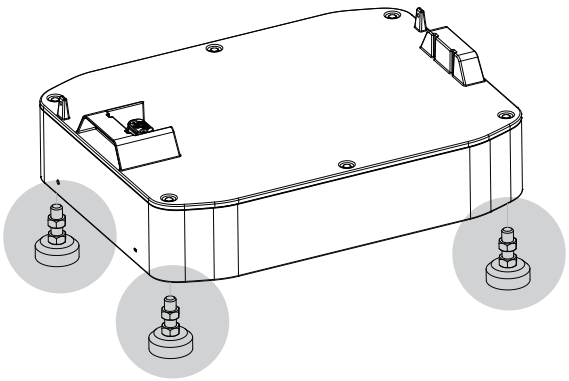


Distance max de 1,5 m par rapport à la batterie

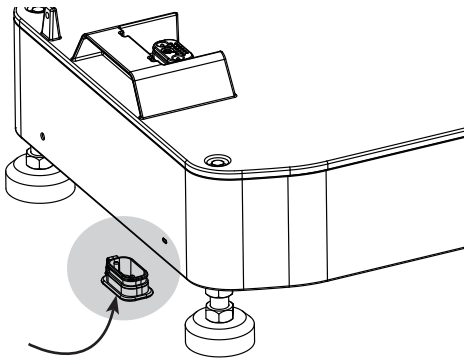
Longueur du câble de raccordement à la batterie :
pack 2.0 : 3,0 m
pack 1.0 : 1,5 m

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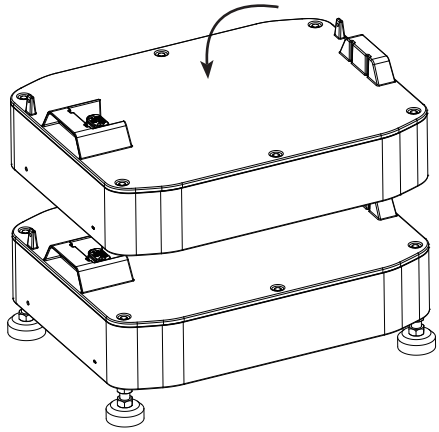
MONTAGE ET CÂBLAGE DES PACKS BATTERIES



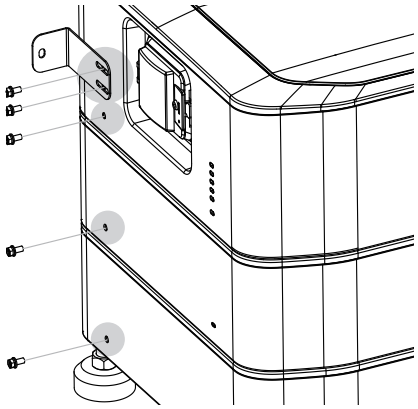
Monter les quatre pieds **(3)** sur le premier module batterie du bas
(note: les pieds supports sont fournis dans la boîte du top pack)



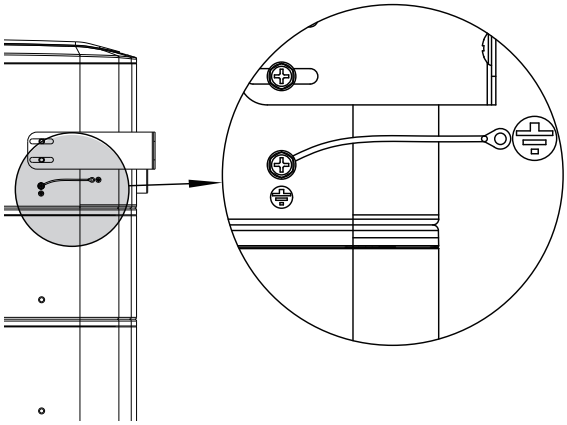
Insérer le connecteur jumper **(8)** sous le premier module batterie du bas
(note : le connecteur est fournie dans la boîte du top pack)



Empiler les packs batteries jusqu'au dernier qui doit être le **top pack**



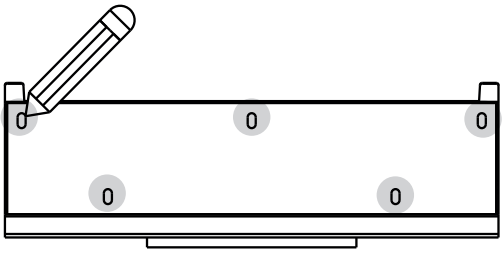
Fixer le top pack avec les équerres **(2)** puis fixer les packs entre-eux avec les vis **(1)**



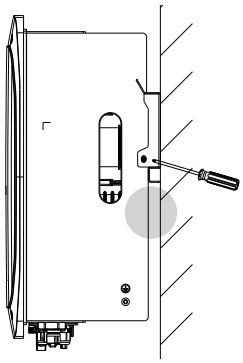
Connecter le câble de mise à la terre **(5)**

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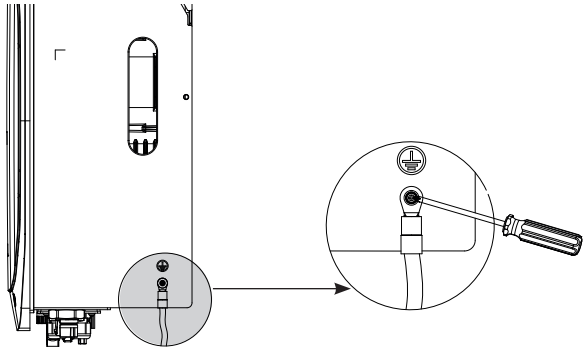
MONTAGE ET ET CÂBLAGE DE L'ONDULEUR



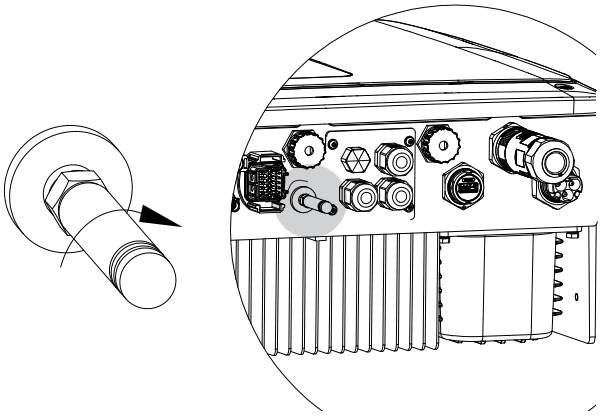
Fixer le support mural **(11)** avec des vis et des chevilles adaptées au mur



Accrocher l'onduleur sur le support, et verrouiller-le avec la vis M5



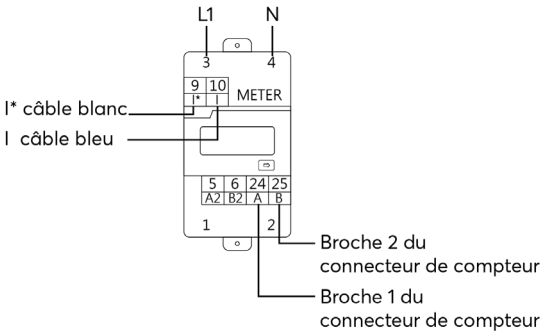
Réaliser la mise à la terre avec la cosse furnie **(19)**



Visser l'antenne Bluetooth/WiFi **(18)**

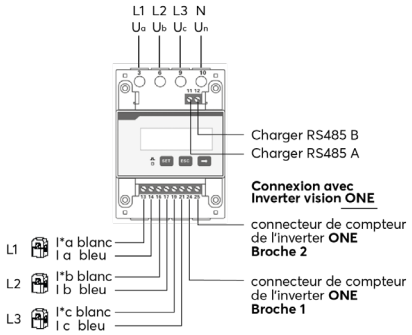
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MONTAGE ET CÂBLAGE DU COMPTEUR



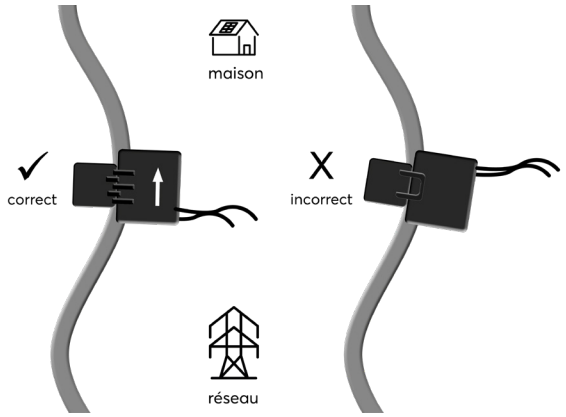
Réseau monophasé

Installer le **compteur monophasé (20)** sur le rail de l'armoire domestique, raccorder le compteur selon le schéma de câblage p. 4



Réseau triphasé

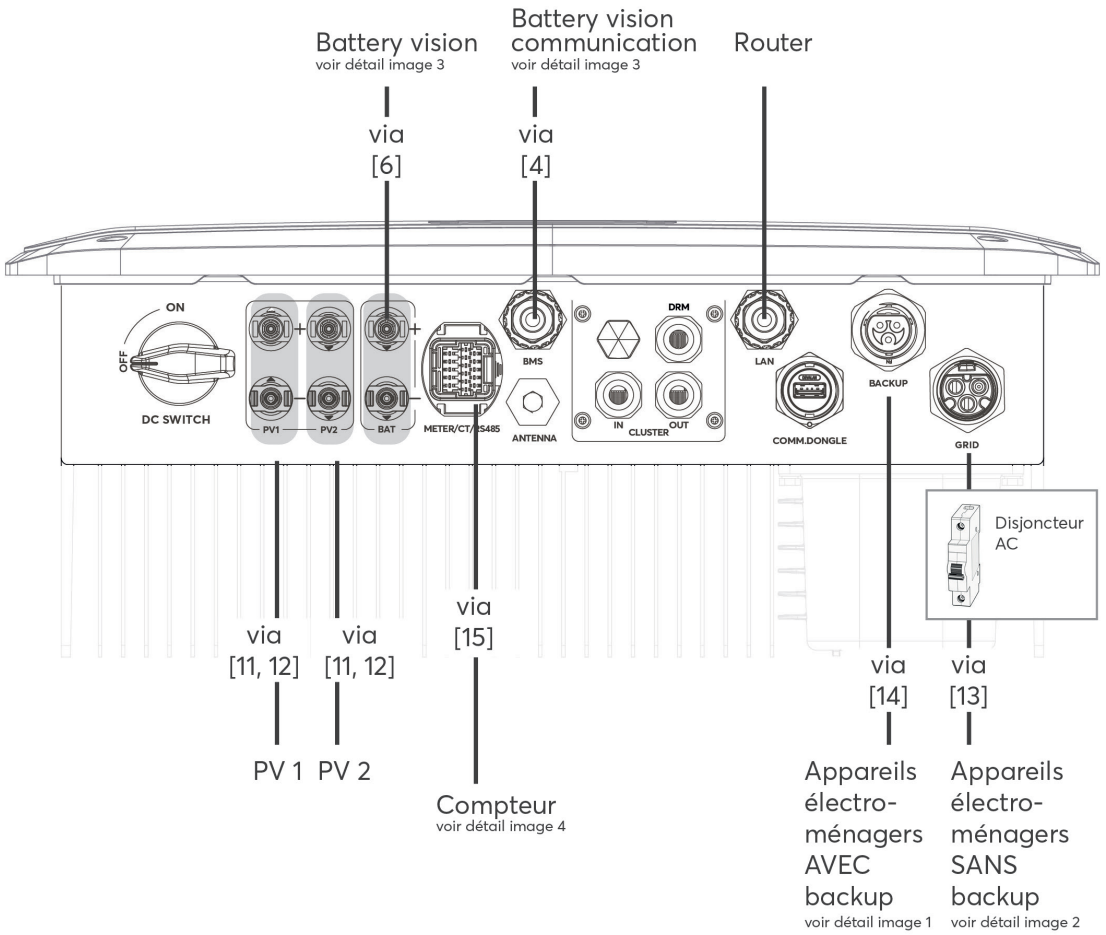
Installer le **compteur triphasé** (à commander auprès de Solarwatt) sur le rail de l'armoire domestique, raccorder le compteur selon le schéma de câblage p. 5



Sens correct de la mesure du courant par la pince CT : la flèche sur la pince CT est orientée vers les consommateurs domestiques.

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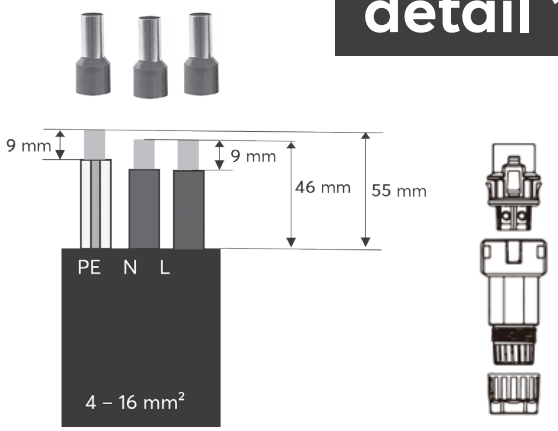
CÂBLAGE DE L'ONDULEUR



4 Câble de communication BMS - Onduleur (1,5 m)
6 Câbles DC batterie (1,5 m)
11 Connecteurs PV (MC4 Stäubli)
12 Cosses des connecteurs PV
13 Connecteur AC GRID
14 Connecteur AC BACKUP
15 Connecteur pour liaison avec le compteur (METER)

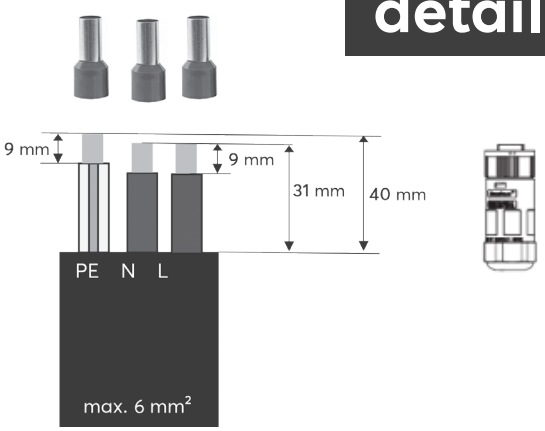
Exigences en matière de câbles :
PV: 4 - 6 mm² MC4, Stäubli
AC: 4,0 - 16,0 mm²
Câble réseau catégorie 5e minimum

détail 1



Raccorder l'AC GRID **(14)**

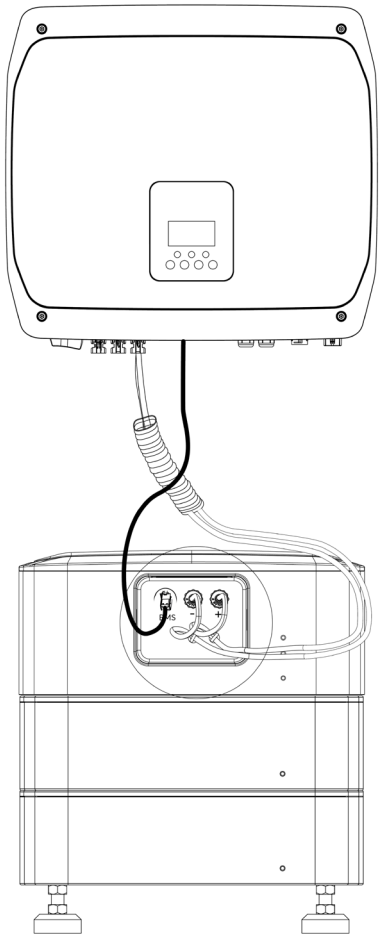
détail 2



Raccorder l'AC BACKUP **(15)**

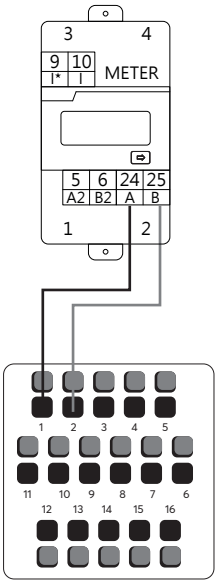
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détail 1



Raccorder la batterie à l'aide des câbles DC batteries **(6)** et du câble de communication BMS - Onduleur **(4)**

détail 2a

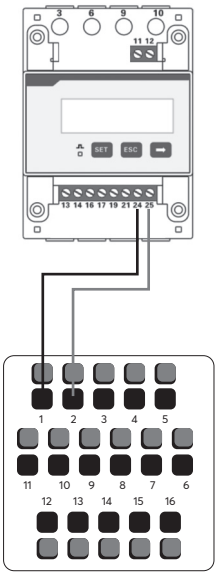


PIN du compteur	24	25
PIN du connecteur	1	2

(Vue du côté des connexions)

Raccorder le compteur Chint monophasé à l'aide du connecteur prévu à cet effet **(15)**

détail 2b



PIN du compteur	24	25
PIN du connecteur	1	2

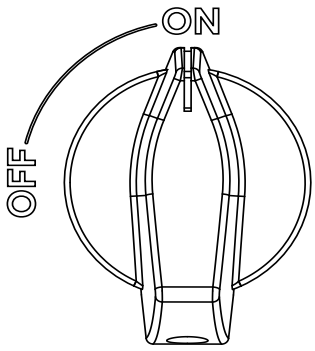
(Vue du côté des connexions)

Alternativement dans les systèmes triphasés : Raccorder le compteur Chint triphasé (à commander auprès de Solarwatt) à l'aide du connecteur prévu à cet effet

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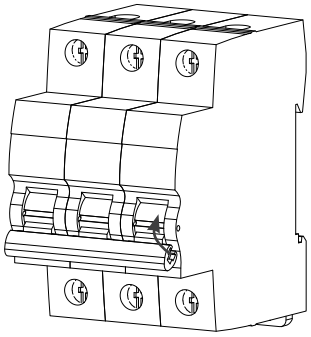
DÉMARRAGE DU SYSTÈME

1



Tourner l'interrupteur **DC Switch** de l'onduleur sur ON

2



Allumer :
- le disjoncteur AC Grid
- le disjoncteur AC Backup (si requis localement)

3

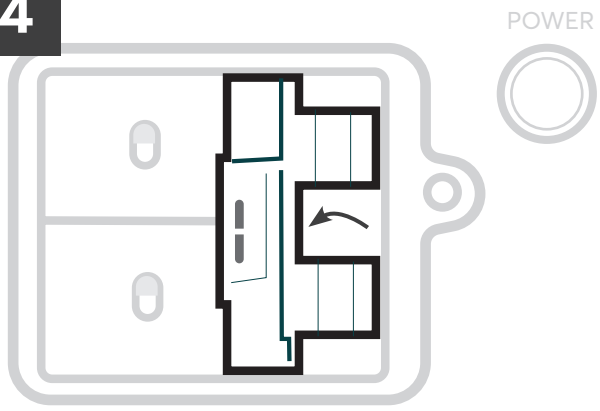


- définir le code réseau pour la sécurité du réseau
- reseaurégler l'heure

Appuyer sur le bouton de confirmation de l'onduleur ✓ pendant 3 secondes.

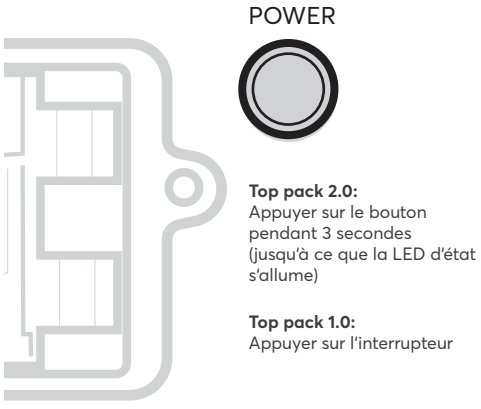
- sélectionner START

4



Mettre l'interrupteur **DC Switch** du top pack de la Battery vision sur ON

5



Top pack 2.0:
Appuyer sur le bouton pendant 3 secondes (jusqu'à ce que la LED d'état s'allume)

Top pack 1.0:
Appuyer sur l'interrupteur

Appuyer sur le bouton POWER (top pack)

Vous n'avez pas besoin d'un mot de passe pour l'installation initiale de l'onduleur. Pour les réglages suivants, le mot de passe est 0000.

Modifiez le mot de passe à la fin de la mise en service afin de protéger la configuration de l'onduleur.

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LIAISON AVEC L'APPLICATION SOLARWATT PRO APP

GET IT ON Google Play

Download on the App Store

Téléchargez l'application SOLARWATT Pro app et connectez-vous avec votre compte SOLARWATT Pro

Fonctionnalités de mise en service de l'application SOLARWATT Pro app :

Inverter vision
- Rendre l'appareil connectable via WiFi
- Auto-test selon CEI 0-21 (Italie)
- Définir Cos φ

Charger vision
- Rendre l'appareil connectable via WiFi
- Autorisation RFID
- Définir le courant de charge maximum (A)
- Configurer la gestion de la charge (en préparation)

Detecter et connecter l'onduleur via l'app SOLARWATT Pro app pour utiliser ces fonctionnalités

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ARRÊT DU SYSTÈME

1



Appuyer sur le bouton de confirmatio
l'onduleur ✓ pendant 3 secondes.
- sélectionner STOP

2

POWER

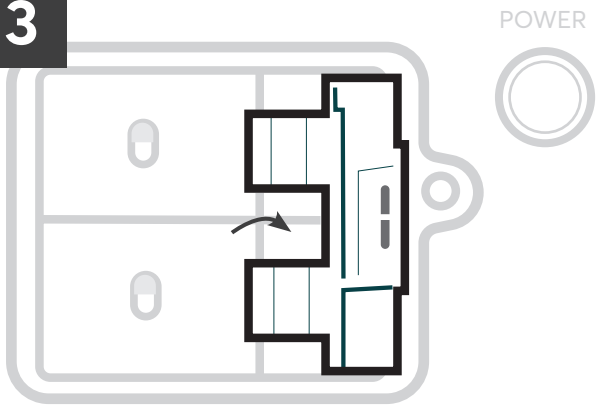


Top pack 2.0:
Appuyer sur le bouton pendant 5 secondes (jusqu'à ce que la LED d'état s'éteigne)

Top pack 1.0:
Appuyer sur l'interrupteur

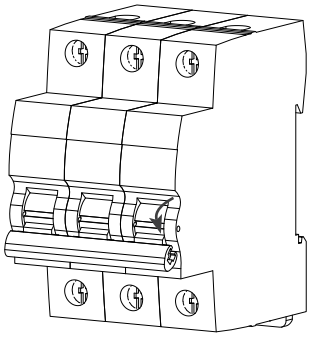
Appuyer sur le bouton POWER (top pack)

3



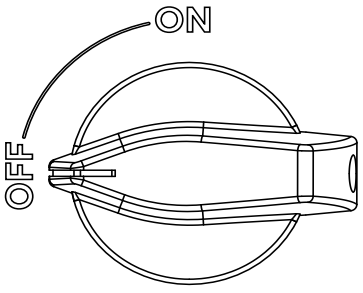
Mettre l'interrupteur **DC Switch** du top pack de la Battery vision sur OFF

4



Éteindre
- le disjoncteur AC Grid
- le disjoncteur AC Backup (si requis localement)

5



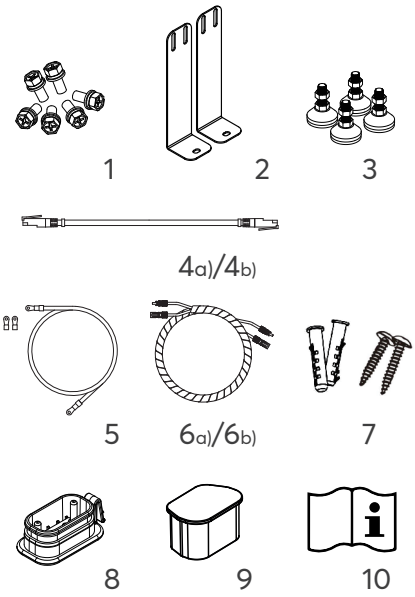
Tourner l'interrupteur **DC Switch** de l'onduleur sur OFF

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DESIGN DEL DISPOSITIVO E LISTE DI IMBALLAGGIO

Battery vision packs

Liste di imballaggio top pack



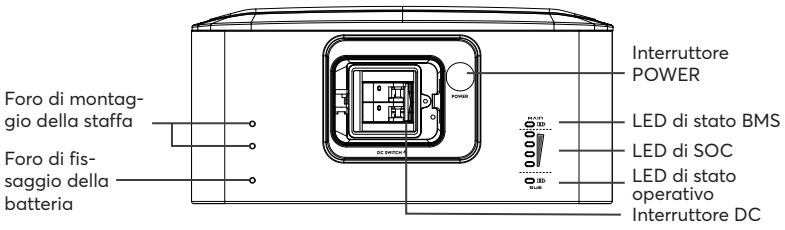
1 Viti di montaggio
2 per i pack e 2 per la staffa di fissaggio
1a) M6 (top pack 2.0)
1b) M5 (top pack 1.0)
2 Staffa di fissaggio
3 Piedini di appoggio
4 Cavo di com., BMS - Inverter
4a) 3,0 m (pack 2.0)
4b) 1.5 m (pack 1.0)
5 Cavo di messa a terra
(con 2 capicorda aggiuntivi)
6 Cavo di uscita DC batteria
6a) 3,0 m (pack 2.0)
6b) 1.5 m (pack 1.0)
7 2 viti per il montaggio a parete
8 Connettore a ponte
9 Coperchio di protezione del connettore
(incluso solo nel pack 1.0)
10 Istruzioni di sicurezza

Liste di imballaggio pack

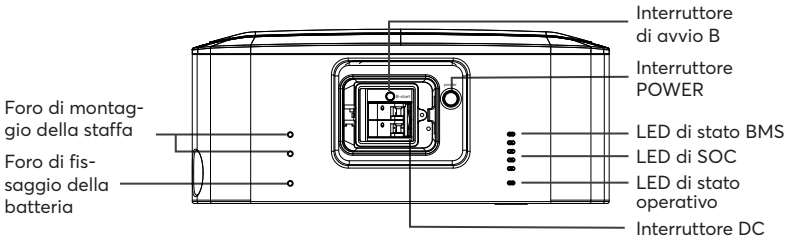


23 Viti di fissaggio per i pack
23a) M6 (pack 2.0)
23b) M5 (pack 1.0)
24 Istruzioni di sicurezza

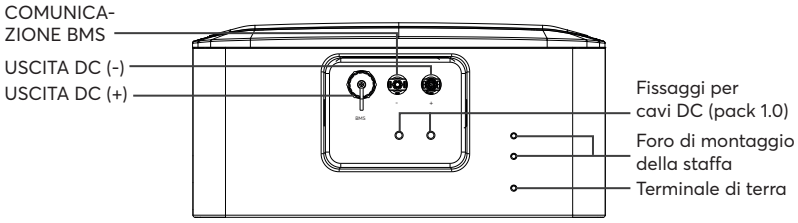
Vista dal lato sinistro top pack 2.0



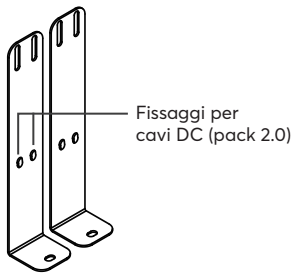
Vista dal lato sinistro top pack 1.0



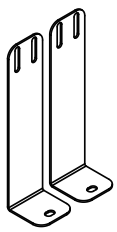
Vista dal lato destro

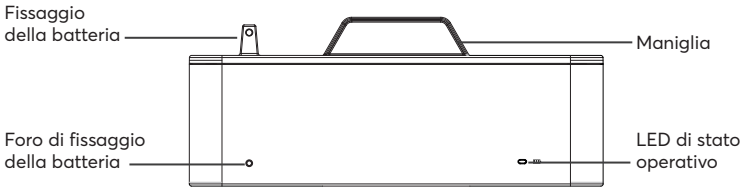


Staffa di fissaggio top pack 2.0



Staffa di fissaggio top pack 1.0

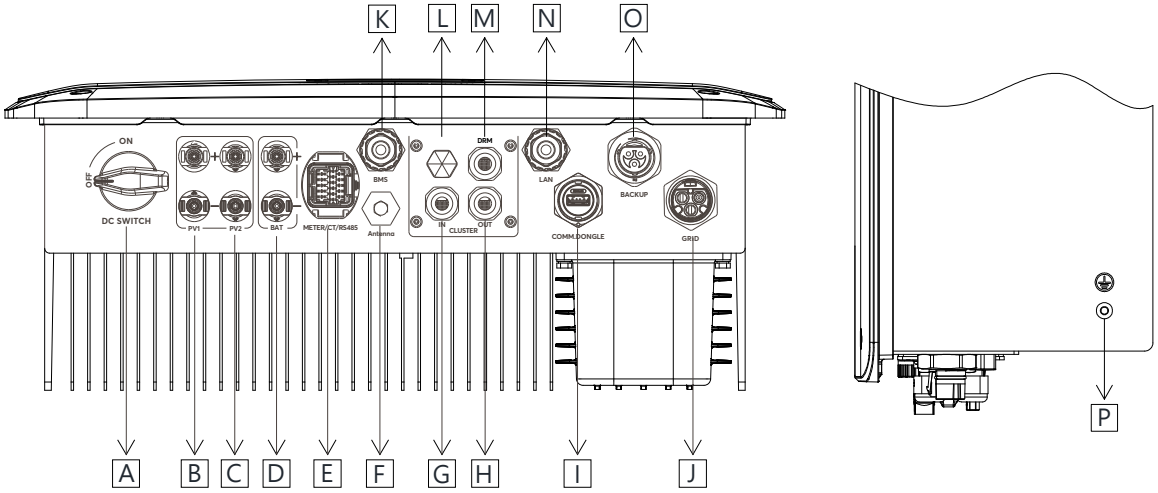




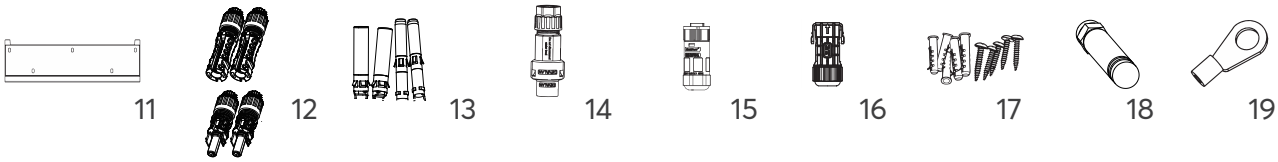
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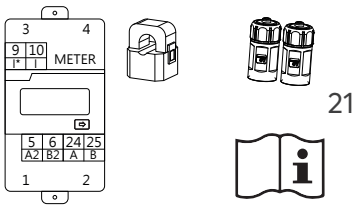
DESIGN DEL DISPOSITIVO E LISTE DI IMBALLAGGIO

Inverter vision one 1.0

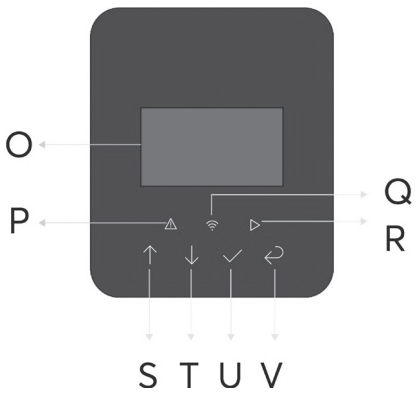


A INTERRUTTORE DC SWITCH
B FV 1
C FV 2
D CONNESSIONE BATTERIA
E CONTATORE / TA / RS485
F BLUETOOTH/WIFI
G CLUSTER IN
H CLUSTER OUT
I COMM. DONGLE
J RETE ELECTRICA AC
K BMS
L VALVOLA DI BOLCCO
M DRM
N LAN
O BACKUP
P TERRA





11 Staffa di fissaggio
12 Connetori FV (Stäubli MC4 Evo 2)
13 Contatti pin FV
14 Connettore CA (bianco)
15 Connettore CA per backup (rosso)
16 Connettore di comunicazione
17 Tasselli e viti per fissaggio a muro, tasselli
18 Antenna
19 Terminale messa a terra
20 Misuratore con TA
21 2x spine RJ45 per installazione esterna (impermeabile)
22 Istruzioni di sicurezza Guida rapida



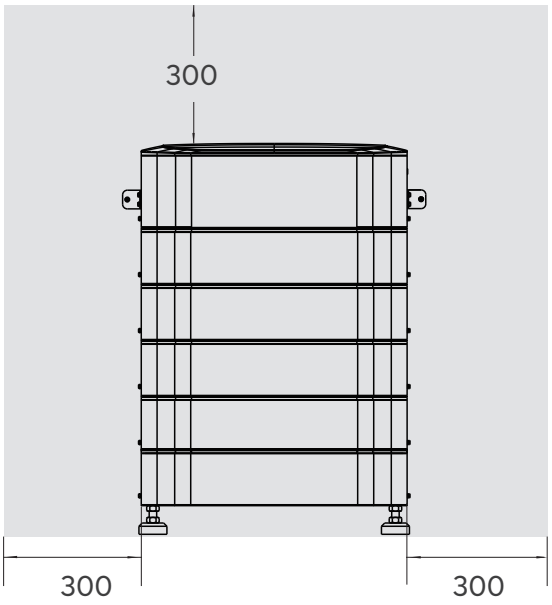
O Display LC
P rosso: errore
Q blu: attività WLAN/LAN
R verde: in funzione
S su: aumentare valore
T giù: diminuire valore
U ok: confermare la selezione
V indietro: ritorna all'operatività precedente/ uscita

È necessario un equipaggiamento aggiuntivo:

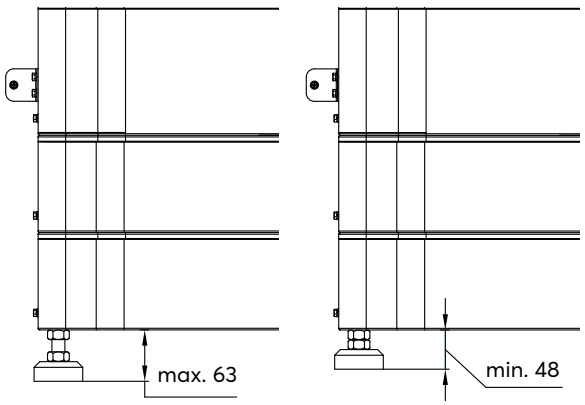
- Cavo di comunicazione (cavo RS485 a 2 fili) per il meter
- Cavo DC e AC per inverter
- Cavo LAN per inverter (opzionale)
- Cavo di messa a terra per l'inverter
- Interruttore automatico

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DIMENSIONI BATTERY VISION [MM]



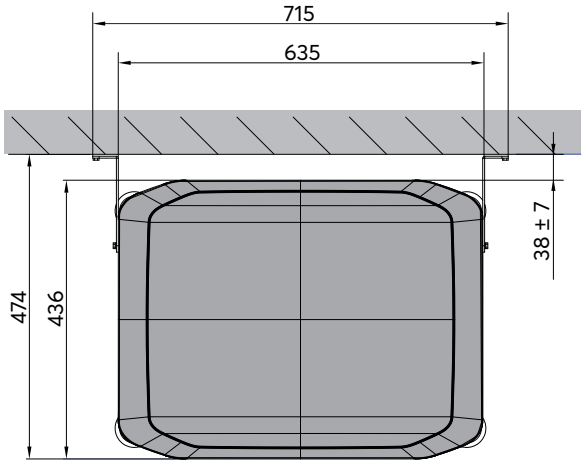
Spazio minimo di installazione
(area di lavoro minima anteriore: 1,2 m)



Distanza flessibile dal pavimento

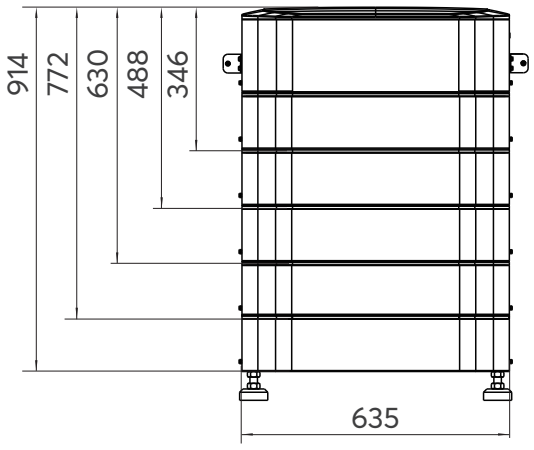
Battery vision 2.0

(vista dall'alto)



Larghezza e profondità di installazione
Distanza dalla parete: 38 mm

Battery vision 2.0

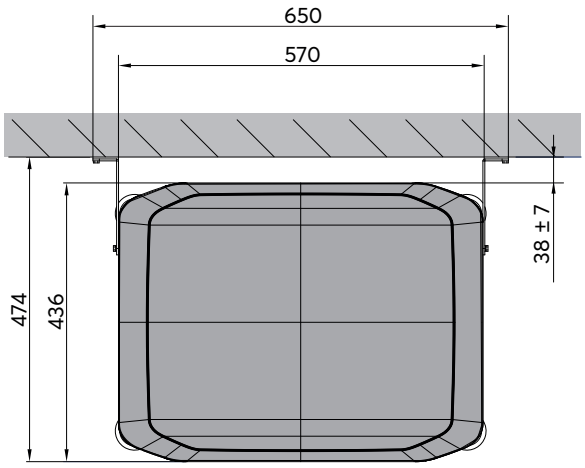


Altezza di installazione
(senza supporti)

DIMENSIONI BATTERY VISION [MM]

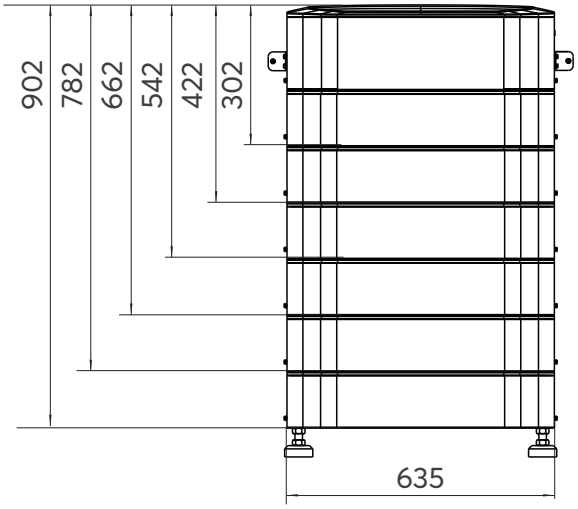
Battery vision 1.0

(vista dall'alto)



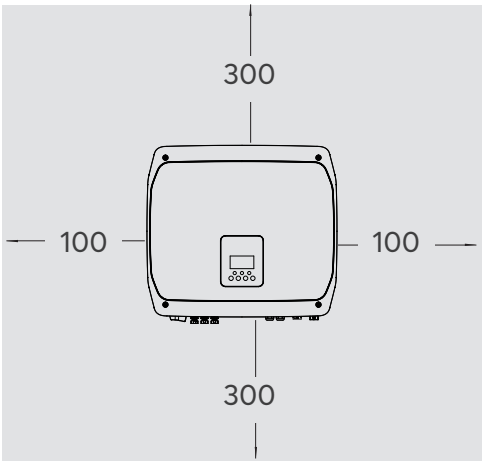
Larghezza e profondità di installazione
Distanza dalla parete: 38 mm

Battery vision 1.0

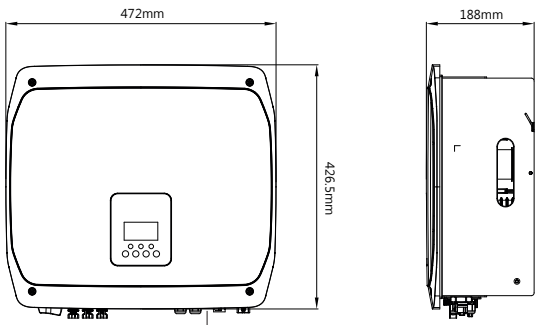


Altezza di installazione
(senza supporti)

DIMENSIONI INVERTER VISION ONE [mm]



Spazio minimo di installazione
(area di lavoro minima anteriore: 1,2 m)

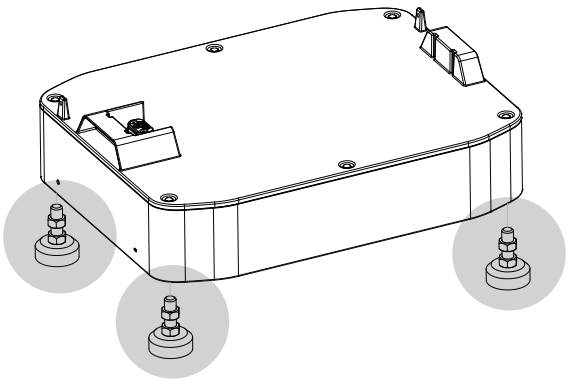


1,5 m
di distanza
dalla batteria

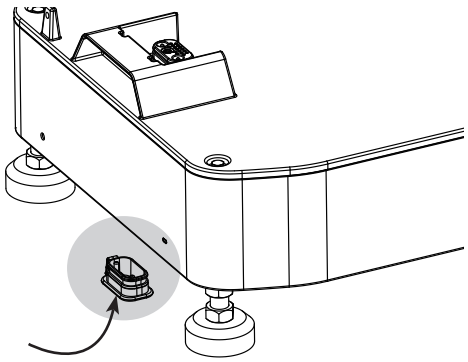
Lunghezza del cavo di collegamento alla batteria:
pack 2.0: 3,0 m
pack 1.0: 1,5 m

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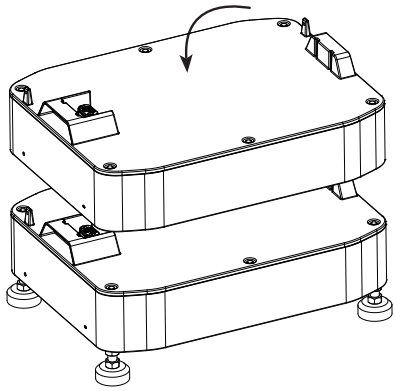
BATTERY PACKS MONTAGGIO E CABLAGGIO



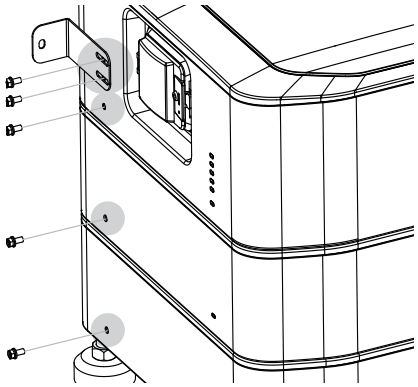
Dotare il modulo inferiore di quattro supporti **(3)**
(i supporti sono forniti nella confezione del top pack)



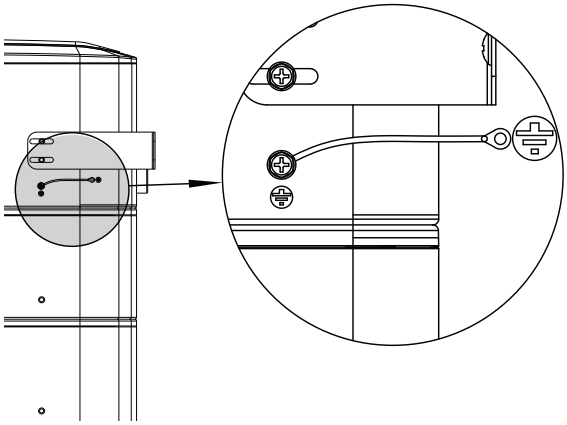
Inserire il connettore a ponte **(8)**
(il connettore è fornito nella confezione del top pack)



Impilare i Battery pack secondo la sequenza, il numero massimo di pacchi batteria, le condizioni di fissaggio e le istruzioni di sicurezza indicate nel manuale.

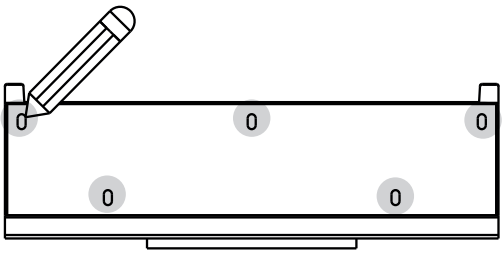


Fissare prima il top pack con la staffa di fissaggio **(2)** e poi fissare i packs con le viti **(1)**

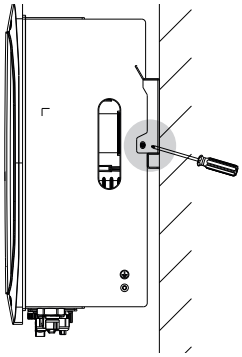


Collegare il cavo di messa a terra **(5)**

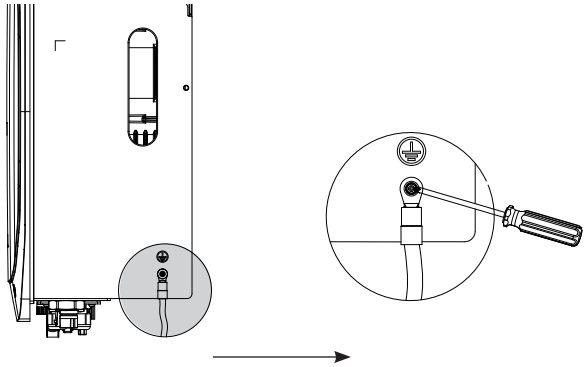
INVERTER MONTAGGIO E CABLAGGIO



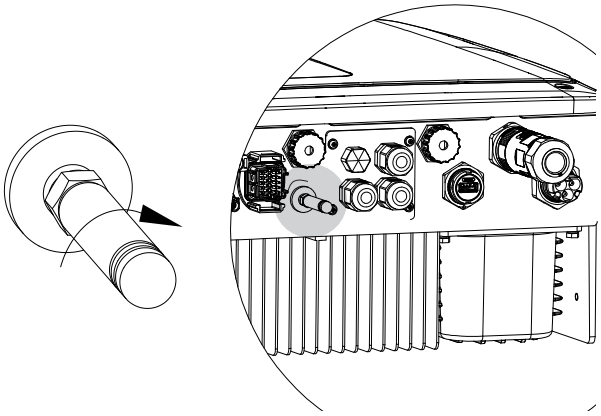
Fissare la staffa a parete **(11)** con le viti



Appendere l'inverter alla staffa e fissarlo con una vite M5



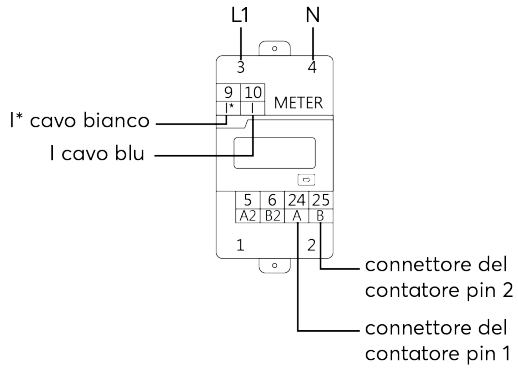
Collegare il terminale di terra tramite il capocorda **(19)**



Avvitare l'antenna Bluetooth/WiFi **(18)**

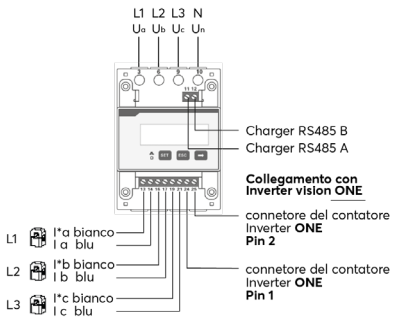
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CONTATORE MONTAGGIO E CABLAGGIO



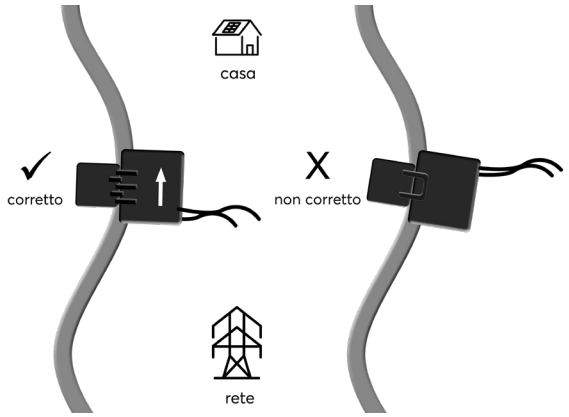
Rete monofase

Installare il contatore monofase **(20)** collegare il contatore secondo lo schema di cablaggio a pag. 4



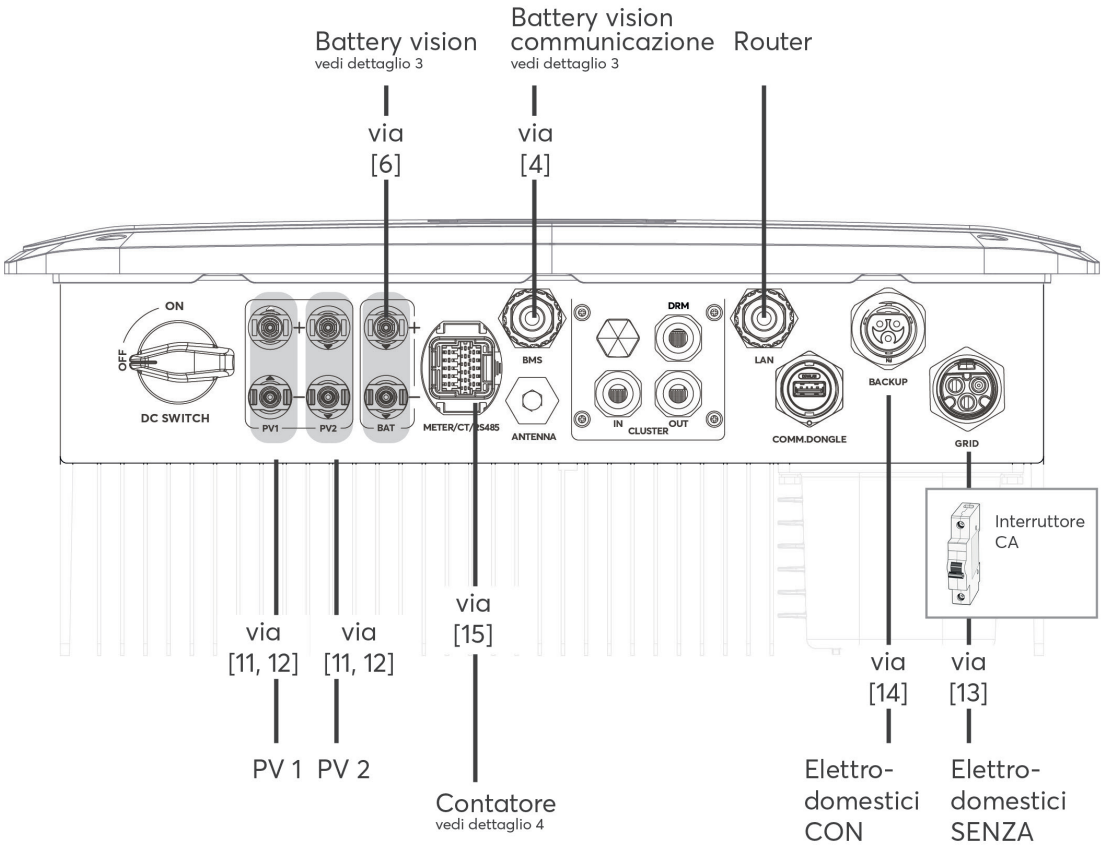
Rete trifase

Installare il contatore trifase (che può essere ordinato a Solarwatt) collegare il contatore secondo lo schema di cablaggio a pag. 5



Direzione corretta di misurazione della corrente della pinza CT: la freccia sulla pinza CT punta in direzione delle utenze domestiche

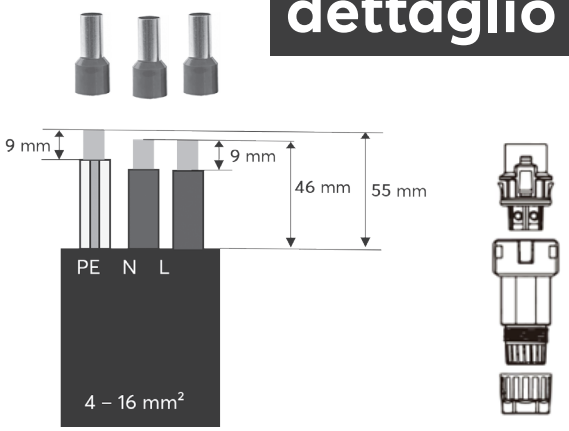
CABLAGGIO DELL'INVERTER



4 Cavo di comunicazione BMS - Inverter (1,5 m)
6 Cavo batteria DC (1,5 m)
11 Connetori FV (Stäubli MC4 Evo 2)
12 Contatti pin FV
13 Connettore AC
14 Connettore AC per backup
15 Connettore di comunicazione

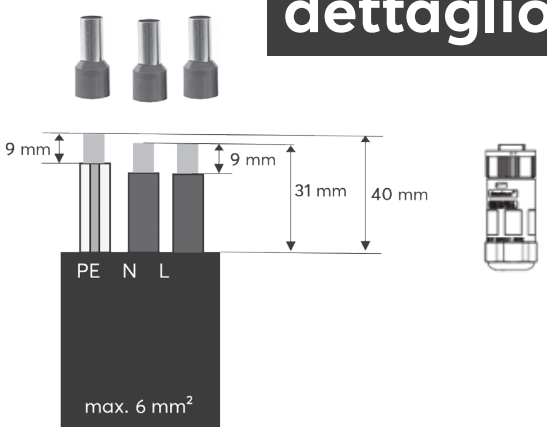
Requisiti dei cavi:
FV: 4 - 6 mm² MC4, Stäubli
AC: 4,0 - 16,0 mm²
Rete: Cavo LAN standard

dettaglio 1



Collegare AC grid **(14)**

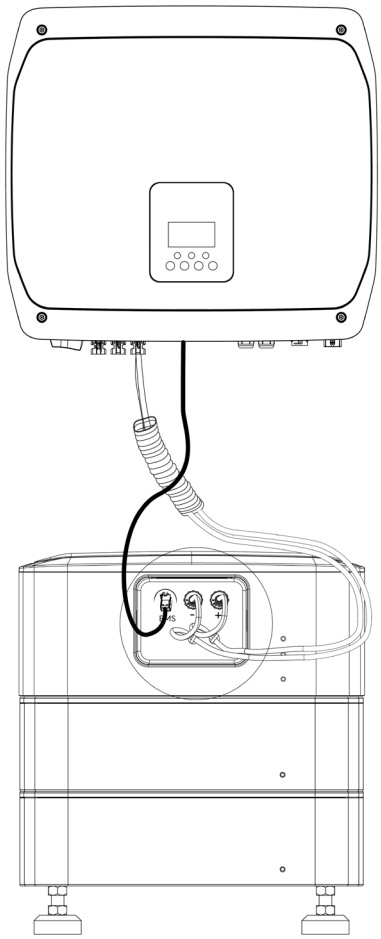
dettaglio 2



Collegare AC backup **(15)**

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dettaglio 1

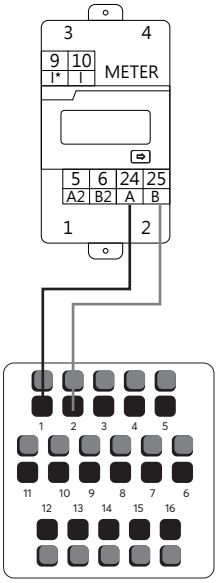


Collegare la batteria **(6, 4)**

dettaglio 2a

PIN del contatore	24	25
PIN adattatore	1	2

(Vista dal lato delle connessioni)

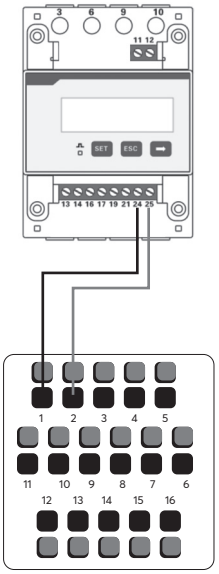


Collegare il contatore monofase **(15)**

dettaglio 2b

PIN del contatore	24	25
PIN adattatore	1	2

(Vista dal lato delle connessioni)

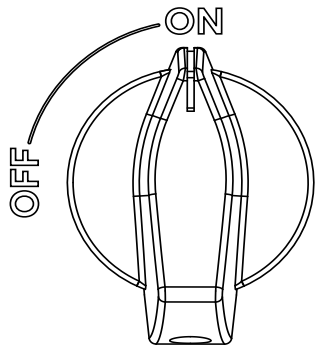


In alternativa nelle reti trifase: Collegare il contatore trifase (che può essere ordinato a Solarwatt)

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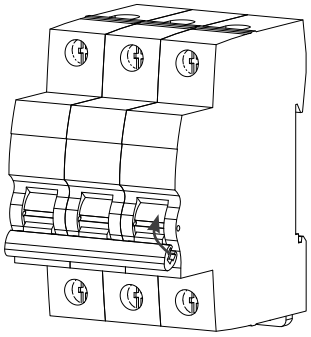
AVVIO DEL SISTEMA

1



Accendere l'interruttore DC dell'inverter

2



Accendere
- Interruttore AC Rete
- Interruttore AC Backup (se richiesto localmente)

3

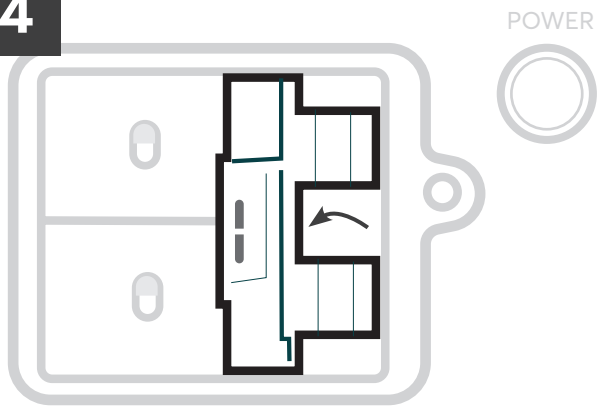


- Impostare il grid code sec. normativa locale, istruzioni e configurazione dell'impianto.
- impostare l'ora

Premere il pulsante di conferma dell'inverter ✓ per 3 secondi.

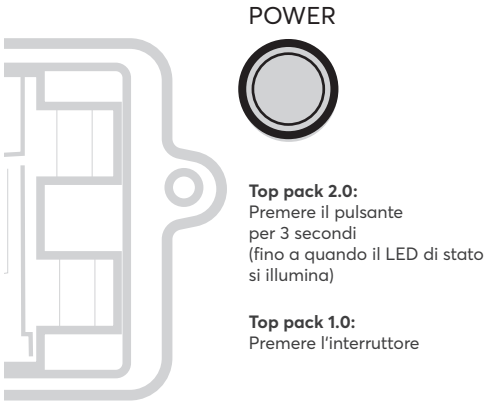
- selezionare START

4



Accendere l'interruttore DC della batteria (top pack)

5



Top pack 2.0:
Premere il pulsante
per 3 secondi
(fino a quando il LED di stato
si illumina)

Top pack 1.0:
Premere l'interruttore

Premere il pulsante POWER (top pack)

Per l'installazione iniziale non è necessaria una password per l'inverter. Per le impostazioni successive, la password è 0000.

Modificare la password al termine della messa in funzione per proteggere la configurazione dell'inverter.

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CONNESSIONE CON L'APP SOLARWATT PRO APP

GET IT ON Google Play

Download on the App Store

Scaricare l'app SOLARWATT Pro e accedere con il proprio account del Pro portal di Solarwatt.

Funzioni di messa in servizio di SOLARWATT Pro app:

Inverter vision
- Configurazione del dispositivo via WiFi sec. parametri, compatibilità app e condizioni di rete indicate nel manuale.
- Autotest CEI 0-21 (Italia) sec. parametri e configurazioni indicate da Solarwatt.
- Impostazione Cos φ

Charger vision
- Configurazione del dispositivo via WiFi sec. parametri, compatibilità app e condizioni di rete indicate nel manuale.
- Autorizzazione RFID
- Impostazione della corrente di carica massima (A)
- Impostazione della gestione del carico (in corso di validazione)

Rilevare e collegare l'inverter tramite l'app SOLARWATT Pro per utilizzare queste funzioni

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SPEGNIMENTO DEL SISTEMA

1



Premere il pulsante di conferma dell'inverter ✓ per 3 secondi.
- selezionare STOP

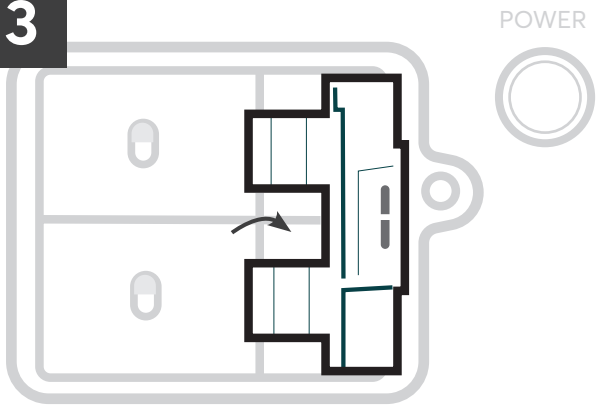
2

Top pack 2.0:
Premere il pulsante
per 5 secondi
(fino a quando il LED di stato
non si spegne)

Top pack 1.0:
Premere l'interruttore

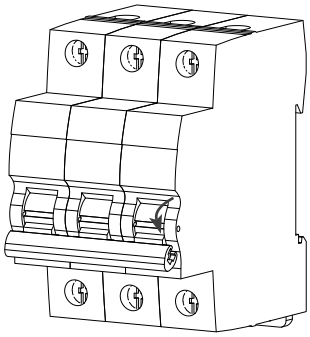
Premere il pulsante POWER (top pack)

3



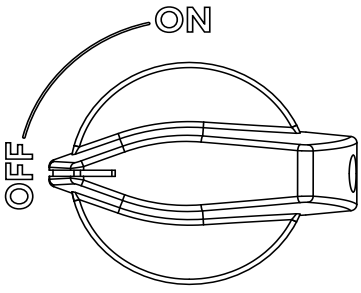
Spegnere l'interruttore CC della batteria (top pack)

4



Spegnere
- Interruttore CA Rete
- Interruttore CA Backup (se richiesto localmente)

5



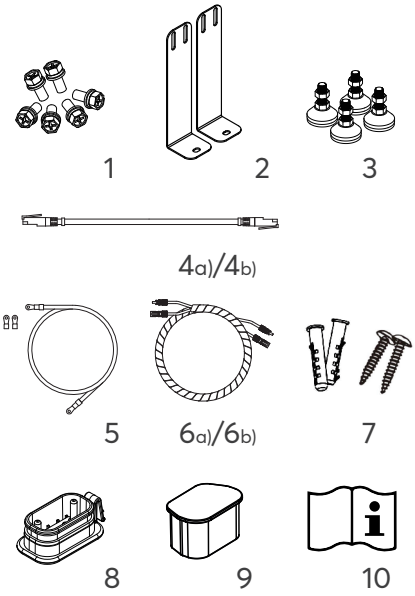
Disattivare l'interruttore CC dell'inverter

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TEKENINGEN EN PAKLIJSTEN VAN HET APPARAAT

Battery vision packs

Paklijsten top pack



1 Schroeven
2 voor pack bevestiging en 2 voor beugel bevestiging
1a) M6 (top pack 2.0)
1b) M5 (top pack 1.0)

2 Bevestigingsbeugels

3 Voetsteunen

4 Comm.kabel, BMS - Inverter
4a) 3,0 m (pack 2.0)
4b) 1.5 m (pack 1.0)

5 Aardingskabel
(met 2 extra kabelschoenen)

6 DC kabel batterij
6a) 3,0 m (pack 2.0)
6b) 1.5 m (pack 1.0)

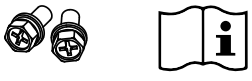
7 2 Schroeven voor muurbevestiging

8 Contrastekker

9 Beschermkap connector
(alleen inbegrepen bij pack 1.0)

10 Veiligheidsinstructies

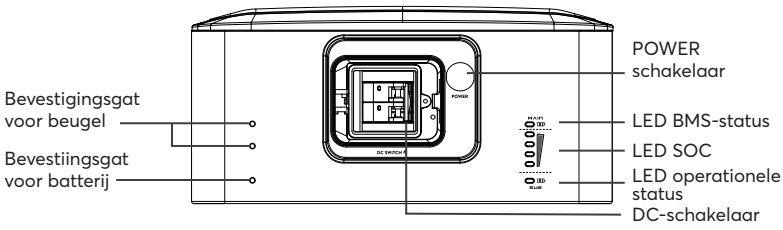
Paklijsten pack



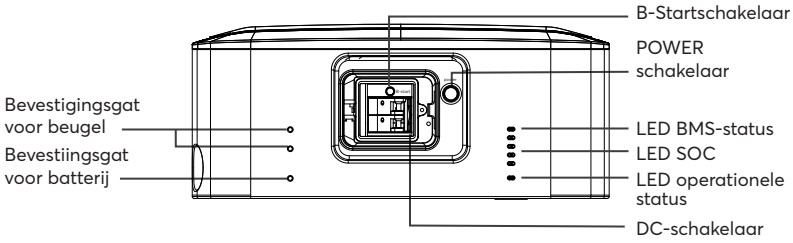
23 Schroeven
voor pack bevestiging
23a) M6 (pack 2.0)
23b) M5 (pack 1.0)

24 Veiligheidsinstructies

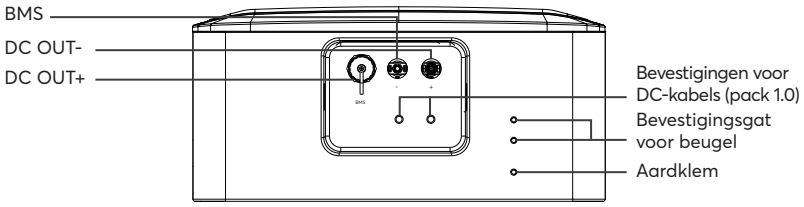
Linkeraanzicht top pack 2.0



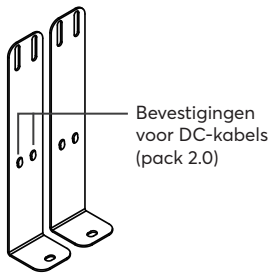
Linkeraanzicht top pack 1.0



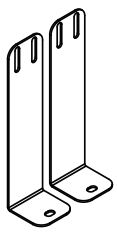
Rechteraanzicht

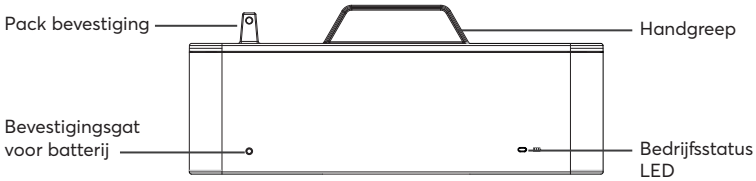


Bevestigingsbeugels top pack 2.0



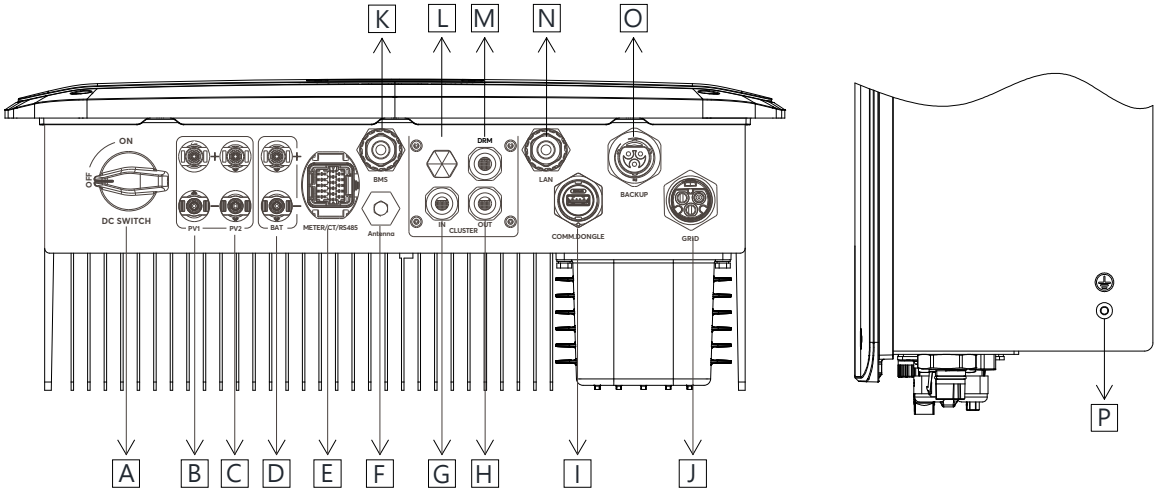
Bevestigingsbeugels top pack 1.0



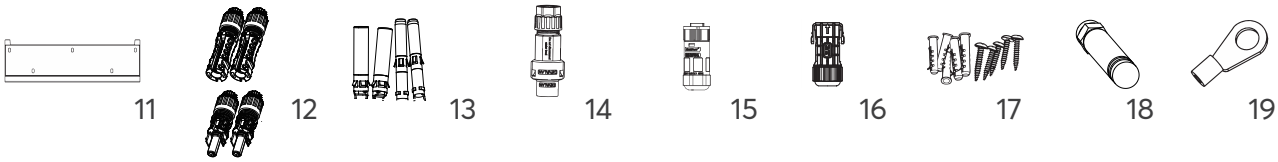


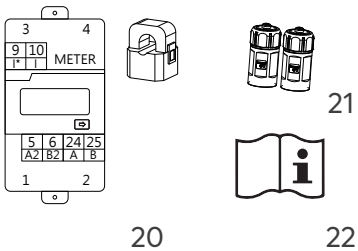
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Inverter vision one 1.0

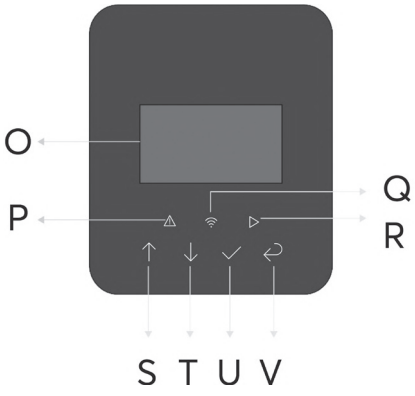


A DC SCHAKELAAR
B PV 1
C PV 2
D BATTERIJCONNECTOR
E Meter / CT / RS485
F BLUETOOTH/WIFI
G CLUSTER IN
H CLUSTER OUT
I COMM. DONGLE
J NET
K BMS
L WATERDICHTE AFSLUITKLEP
M DRM
N LAN
O BACKUP
P AARDING





11 Bevestigingsbeugel
12 PV connectors (MC4 Stäubli)
13 PV pincontacten
14 AC connector net (wit)
15 AC connector backup (rood)
16 Meter adapter (met eindverbindingen)
17 Schroeven voor muurbevestiging, deuvels
18 Antenne
19 Kabelschoen voor aardingskabel
20 Meter met CT-klem
21 2x RJ45-stekkers voor installatie buitenshuis (waterdicht)
22 Veiligheidsinstructies Snelstartgids



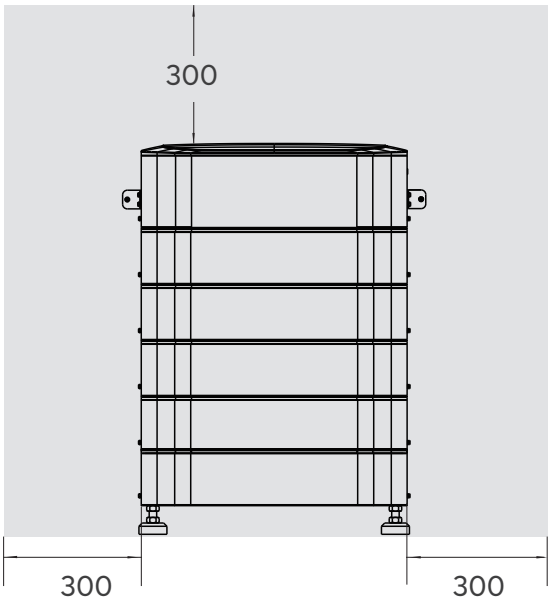
O LCD-scherm
P rood: fout
Q blauw: WLAN/LAN-status
R groen: operationele modus
S omhoog bewegen; waarde verhogen
T beneden bewegen; waarde verlagen
U bevestigen
V terug/uit

Extra apparatuur vereist:

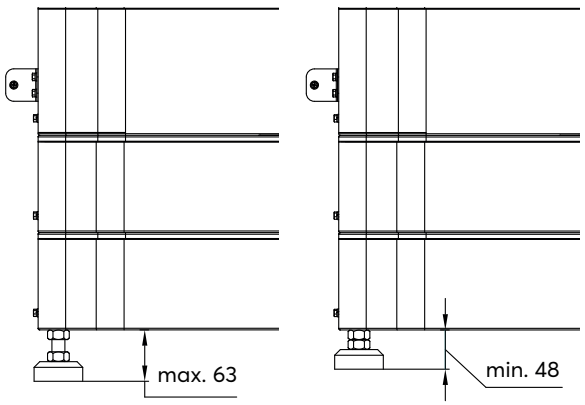
- communicatiekabel (2-aderige RS485-kabel) Chint-meter
- DC- en AC-kabel voor omvormer
- LAN-kabel voor omvormer (optioneel)
- aardingskabel voor omvormer
- stroomonderbreker

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AFMETINGEN BATTERY VISION [MM]



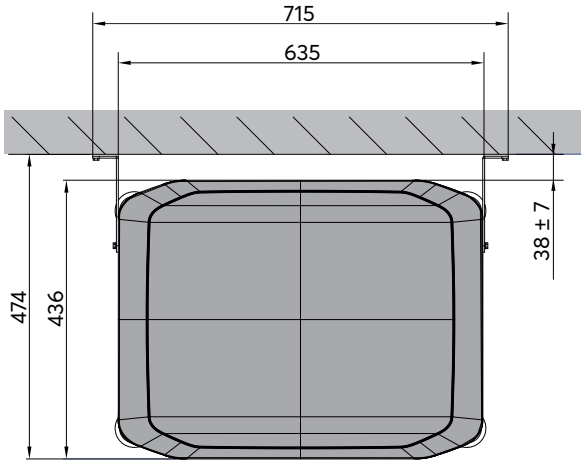
Minimale installatieruimte
(min. werkgebied aan voorzijde: 1.200)



Flexibele afstand tot de vloer

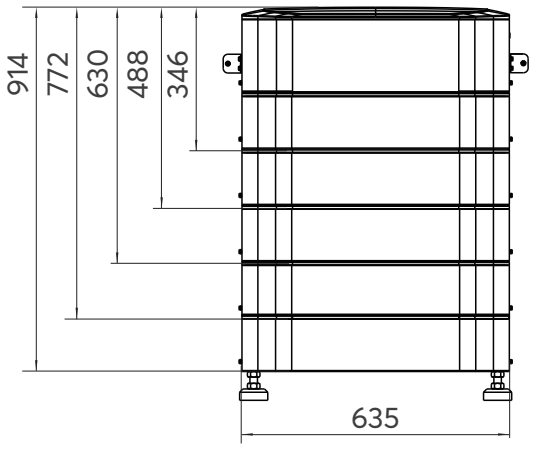
Battery vision 2.0

(bovenaanzicht)



Installatiebreedte, -diepte
Afstand tot de muur: 38 mm

Battery vision 2.0



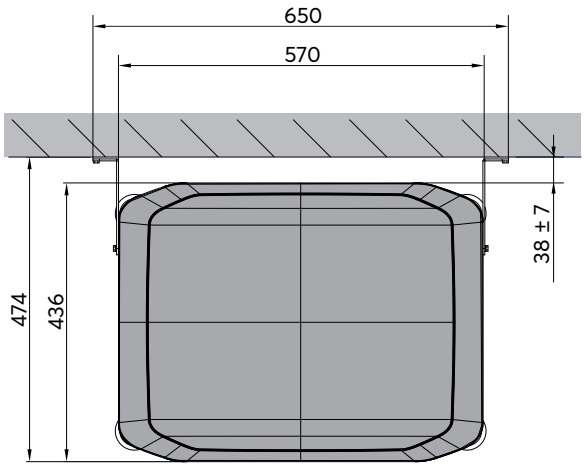
Hoogte installatie
(zonder voetsteunen)

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AFMETINGEN BATTERY VISION [MM]

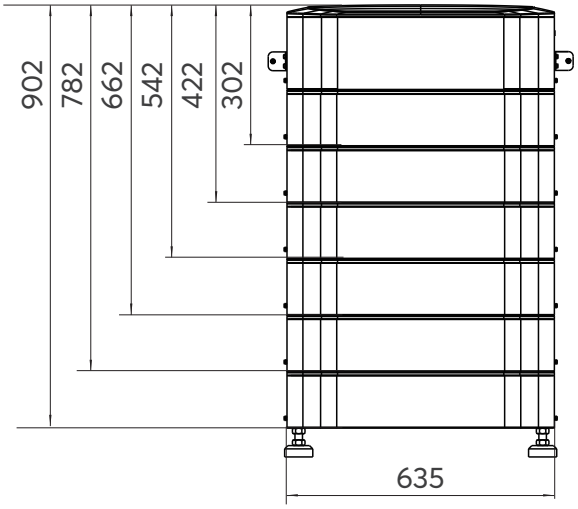
Battery vision 1.0

(bovenaanzicht)



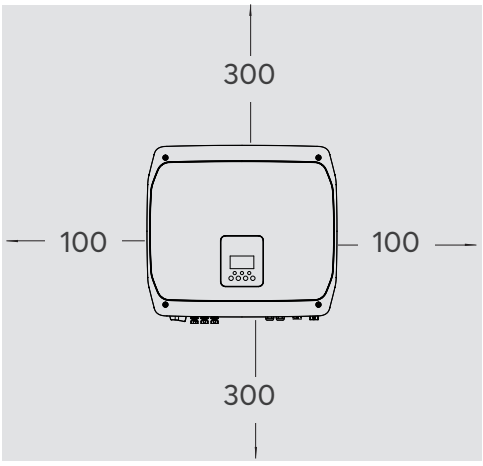
Installatiebreedte, -diepte
Afstand tot de muur: 38 mm

Battery vision 1.0

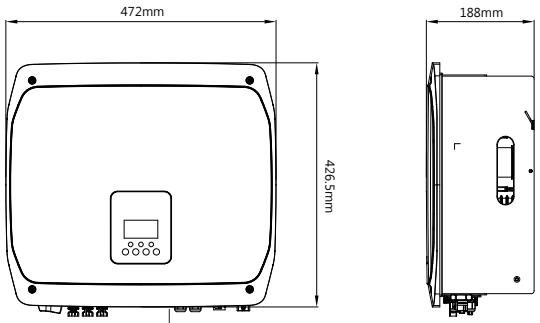


Hoogte installatie
(zonder voetsteunen)

AFMETINGEN INVERTER VISION ONE [MM]



Minimale installatieruimte
(min. werkgebied aan voorzijde: 1.200)

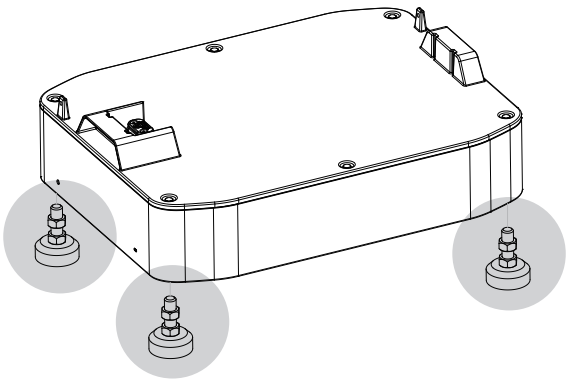


1,5 m afstand tot batterij

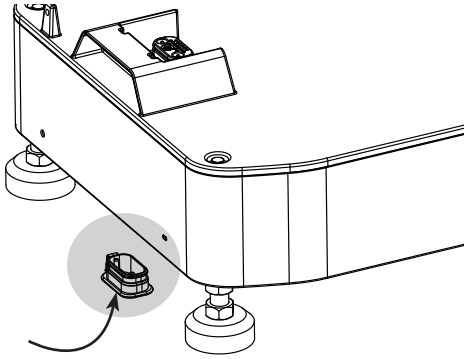
Kabellengte batterijaansluiting:
pack 2.0: 3,0 m
pack 1.0: 1,5 m

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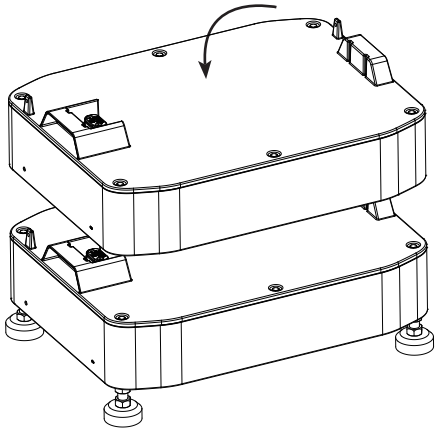
BATTERY PACKS MONTAGE EN BEDRADING



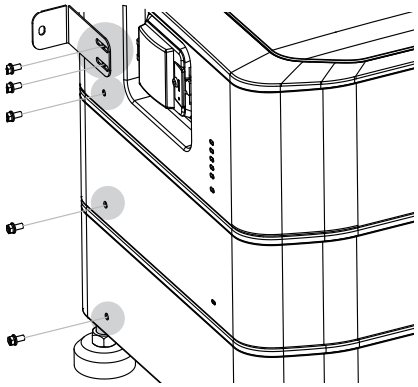
Voorzie de onderste module van vier voetsteunen **(3)**
(voetsteunen worden meegeleverd in de doos van het top pack)



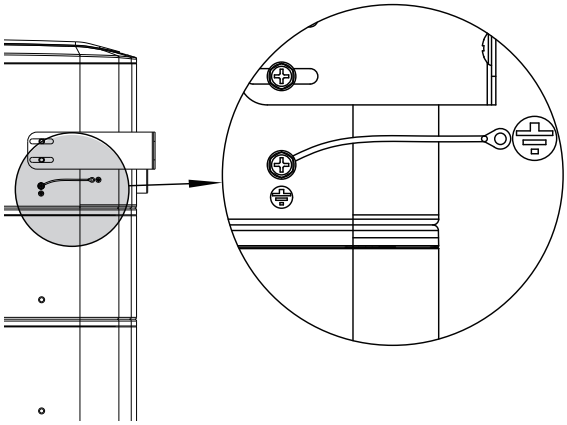
Plaats contrastekker **(8)**
(stekker wordt meegeleverd in de doos van het top pack)



Packs stapelen, stapel het top pack als laatste

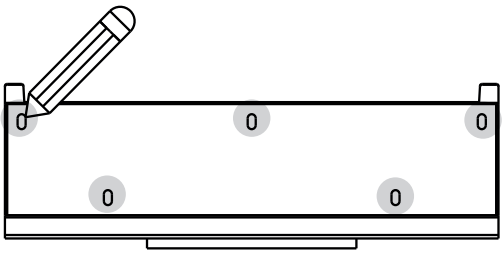


Bevestig het top pack eerst met de bevestigingsbeugel **(2)** en bevestig de packs vervolgens met de schroeven **(1)**

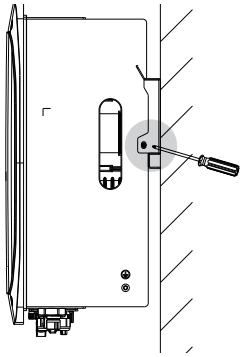


Aardingskabel aansluiten **(5)**

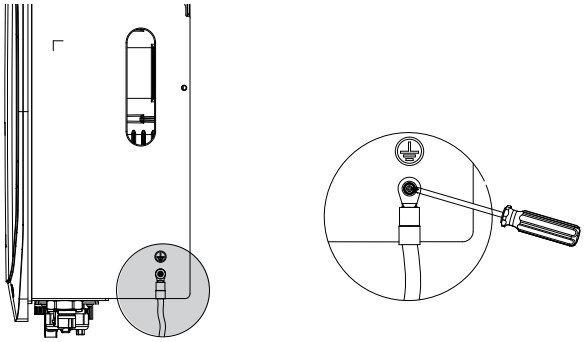
INVERTER MONTEREN EN BEDRADEN



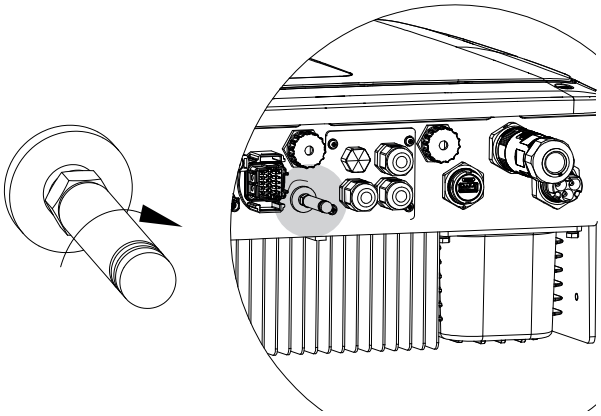
Bevestig muurbeugel **(11)** met schroeven



Hang de omvormer over de beugel, bevestig met een M5-schroef



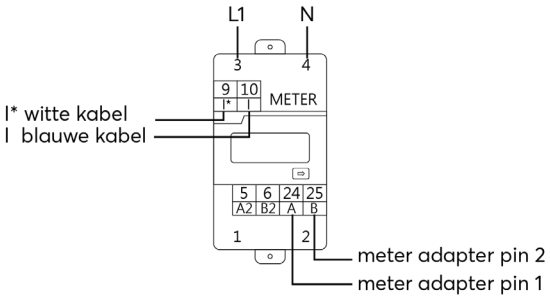
Aardklem aansluiten via kabelschoen **(19)**



Schroef de antenne Bluetooth/WiFi vast **(18)**

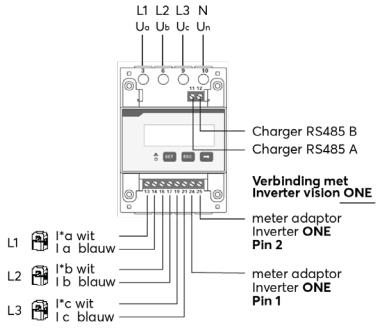
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METER MONTEREN EN BEDRADEN



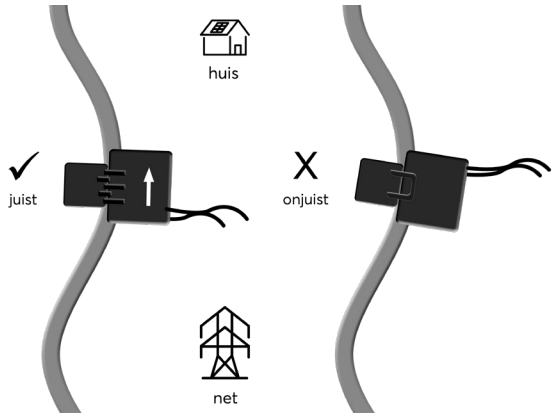
Eenfasig netwerk

Installeer de eenfasemeter **(20)** op de bovenste hoedrail van de meterkast sluit de meter aan volgens het aansluitschema p. 4



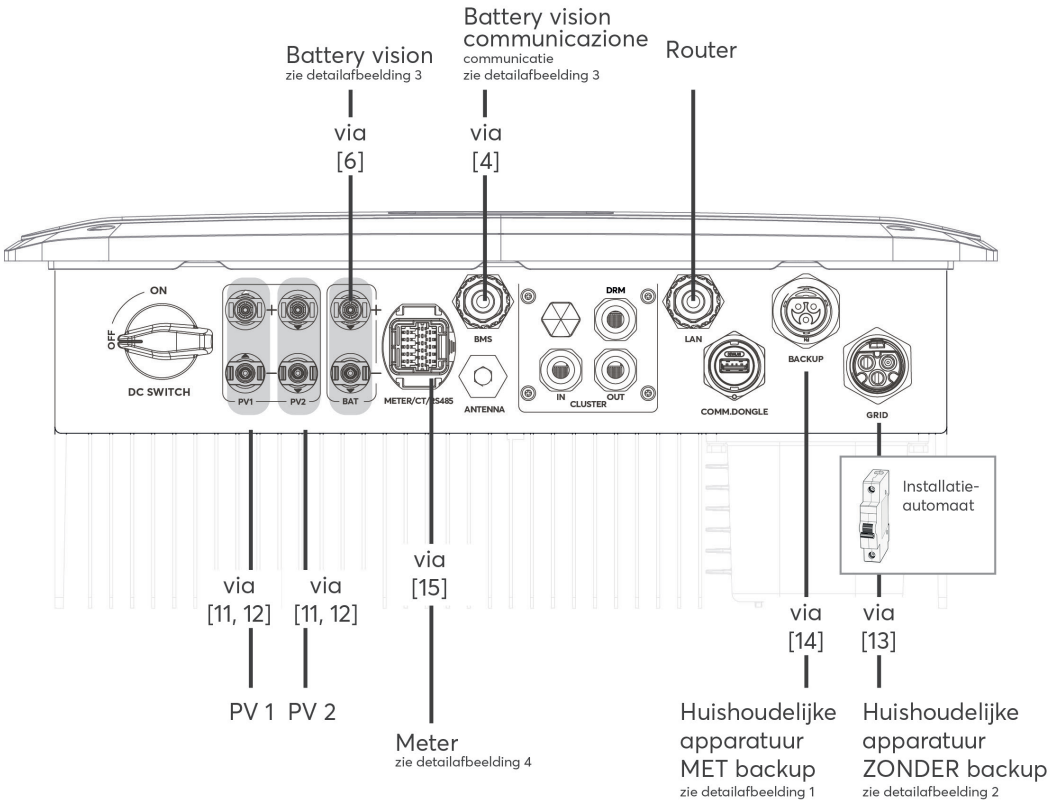
Driefasig netwerk

Installeer de driefasenmeter (te bestellen bij Solarwatt) op de hoedrail van de meterkast, sluit de meter aan volgens het aansluitschemap. 5



Juiste richting van de CT-klemstroommeting: pijl op de CT-klem wijst in de richting van de huishoudelijke verbruikers

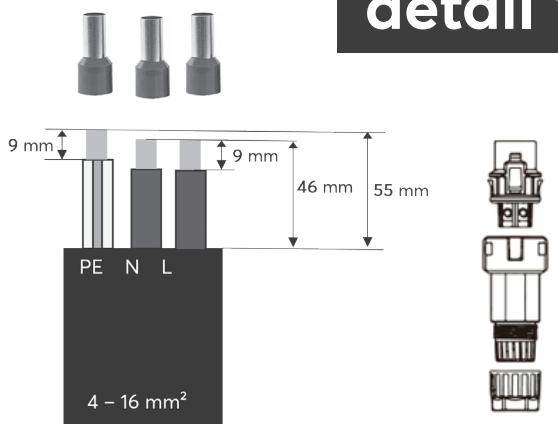
BEDRADING INVERTER



4 Communicatiekabel BMS - Omvormer (1,5 m)
6 DC kabel batterij (1,5 m)
11 PV connectors (MC4 Stäubli)
13 PV pincontacten
14 AC connector grid
15 AC connector backup
16 Meter adapter

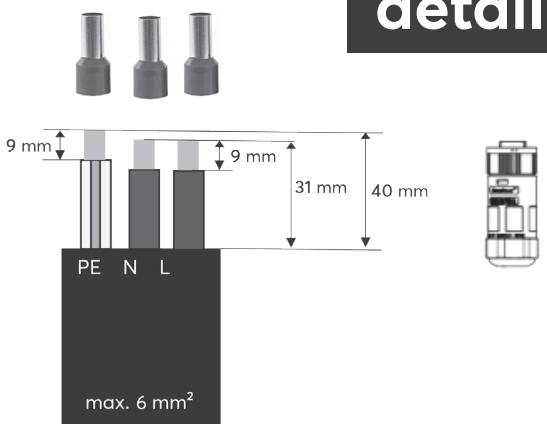
Vereiste kabel:
PV: 4 - 6 mm² MC4, Stäubli
AC: 4,0 - 16,0 mm²
Netwerk: Standaard LAN kabel

detail 1



AC grid **(14)** aansluiten

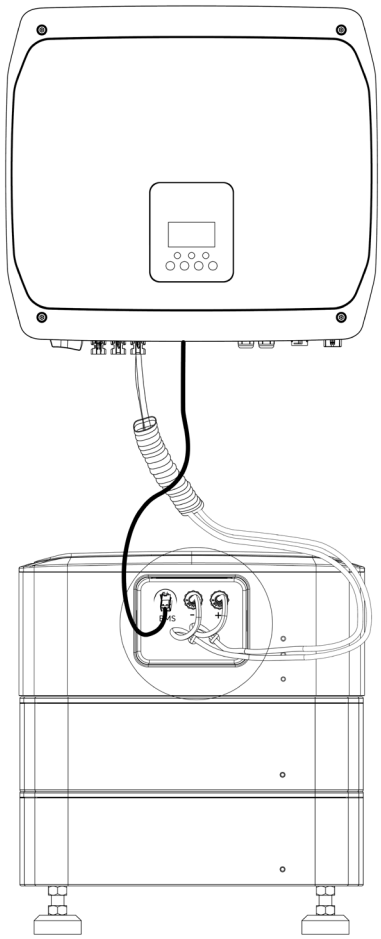
detail 2



AC backup **(15)** aansluiten

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detail 1

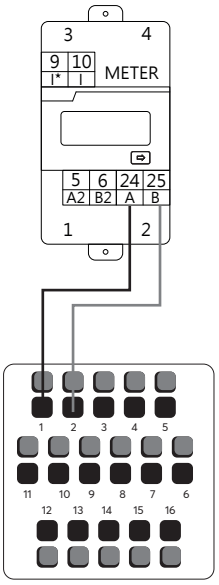


Batterij aansluiten **(6, 4)**

detail 2a

PIN van de meter	24	25
PIN van de adapter	1	2

(Zicht vanaf de kant van de verbindingen)

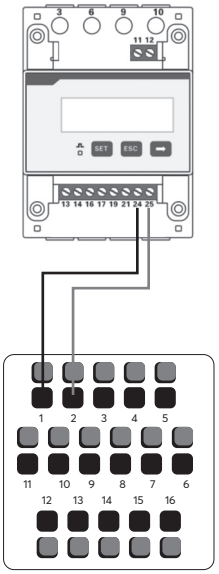


Verbind eenfasemeter **(15)**

detail 2b

PIN van de meter	24	25
PIN van de adapter	1	2

(Zicht vanaf de kant van de verbindingen)

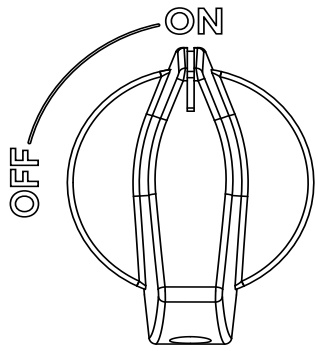


Alternatief in driefasige netwerken:
Verbind driefasenmeter (te bestellen bij Solarwatt)

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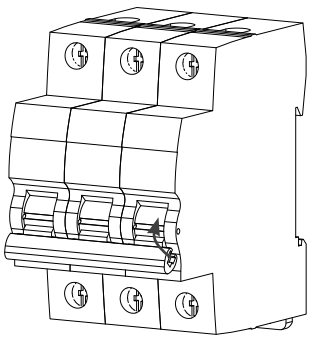
SYSTEEM OPSTARTEN

1



Draai de DC-schakelaar van de omvormer naar ON

2



Inschakelen:
- AC installatieautomaat Net
- AC installatieautomaat Backup (indien lokaal vereist)

3

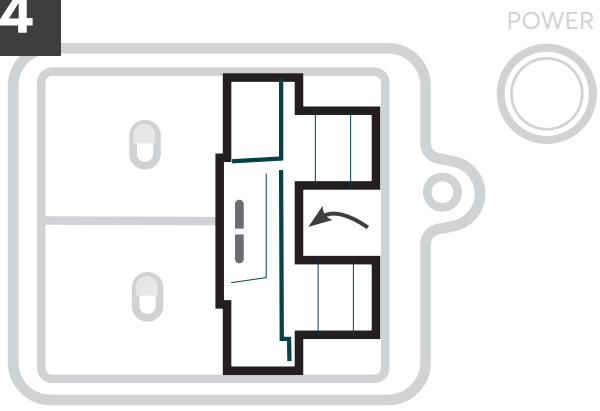


- gridcode instellen voor netveiligheid
- tijd instellen

Druk 3 sec. op de bevestigingsknop van de omvormer ✓.

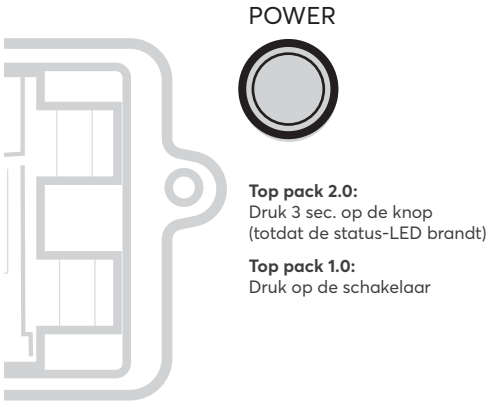
- selecteer START

4



Zet de DC-schakelaar van de accu (top pack) op ON

5



Top pack 2.0:
Druk 3 sec. op de knop (totdat de status-LED brandt)

Top pack 1.0:
Druk op de schakelaar

Druk op de POWER-knop van de accu (top pack)

Voor de eerste installatie van de omvormer heeft u geen wachtwoord nodig. Voor volgende instellingen is het wachtwoord 0000.

Wijzig het wachtwoord aan het einde van de inbedrijfstelling om de configuratie van de omvormer te beveiligen.

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SOLARWATT PRO APP BINDING

GET IT ON Google Play

Download on the App Store

Download SOLARWATT Pro app en log in met je SOLARWATT Pro account

SOLARWATT Pro app inbedrijfstellingsfuncties:

Inverter vision
- Verbind het apparaat via WiFi
- CEI 0-21 zelftest (Italië)
- Cos φ instellen

Charger vision
- Maak het apparaat verbindbaar via WiFi
- RFID-autorisatie
- Maximale laadstroom instellen (A)
- Laadbeheer instellen (in voorbereiding)

Detecteer en verbind de omvormer via de SOLARWATT Pro app om deze functies te gebruiken

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SYSTEEM UITSCHAKELEN

1



Druk 3 sec. op de bevestigingsknop v
omvormer ✓ .
- STOP selecteren

2

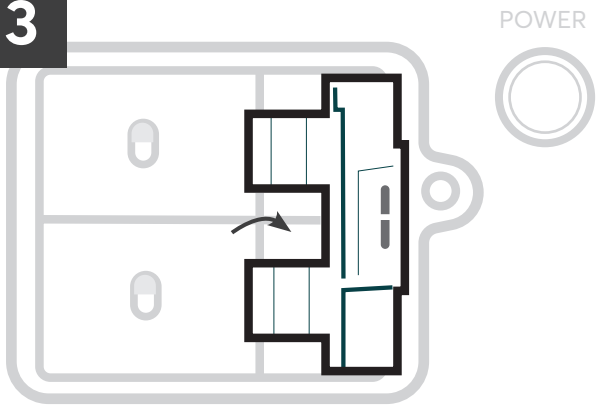


Top pack 2.0:
Druk 5 sec. op de knop
(totdat de status-LED uitgaat)

Top pack 1.0:
Druk op de schakelaar

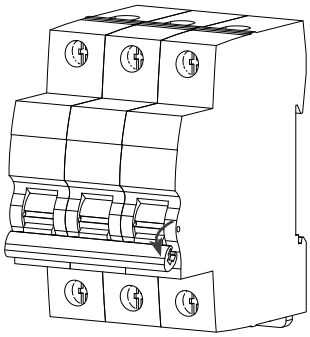
Druk op de POWER-knop van de accu
(top pack)

3



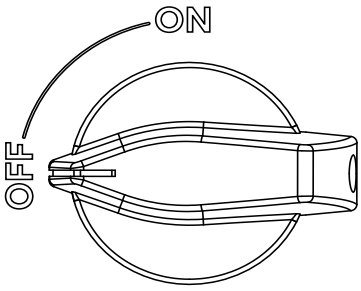
Zet batterij DC schakelaar (top pack)
op OFF

4



Uitschakelen
- AC installatieautomaat Net
- AC installatieautomaat Backup
(indien lokaal vereist)

5



Draai de DC-schakelaar van de
omvormer naar OFF

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Do you have any questions?
Please feel free to contact us.

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Melden Sie sich gern bei uns.

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Se avete domande,
non esitate a contattarci.

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39100 Bolzano (BZ)
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Hebt u vragen?
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Nederland

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info.benelux@solarwatt.com
solarwatt.nl/solarwatt.be

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Disposal as dangerous good via your installer



Disposal as electronic waste



Elimination comme produit dangereux par l'installateur



Élimination en tant que déchet électronique



Smaltimento come bene pericoloso tramite il vostro installatore



Smaltimento come rifiuto elettronico



Verwijdering als gevaarlijk goed via uw installateur



Verwijdering als elektronisch afval

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