

# Battery vision 1.0 / 2.0

# Inverter vision one 1.0 (7-10 kW)

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**



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.

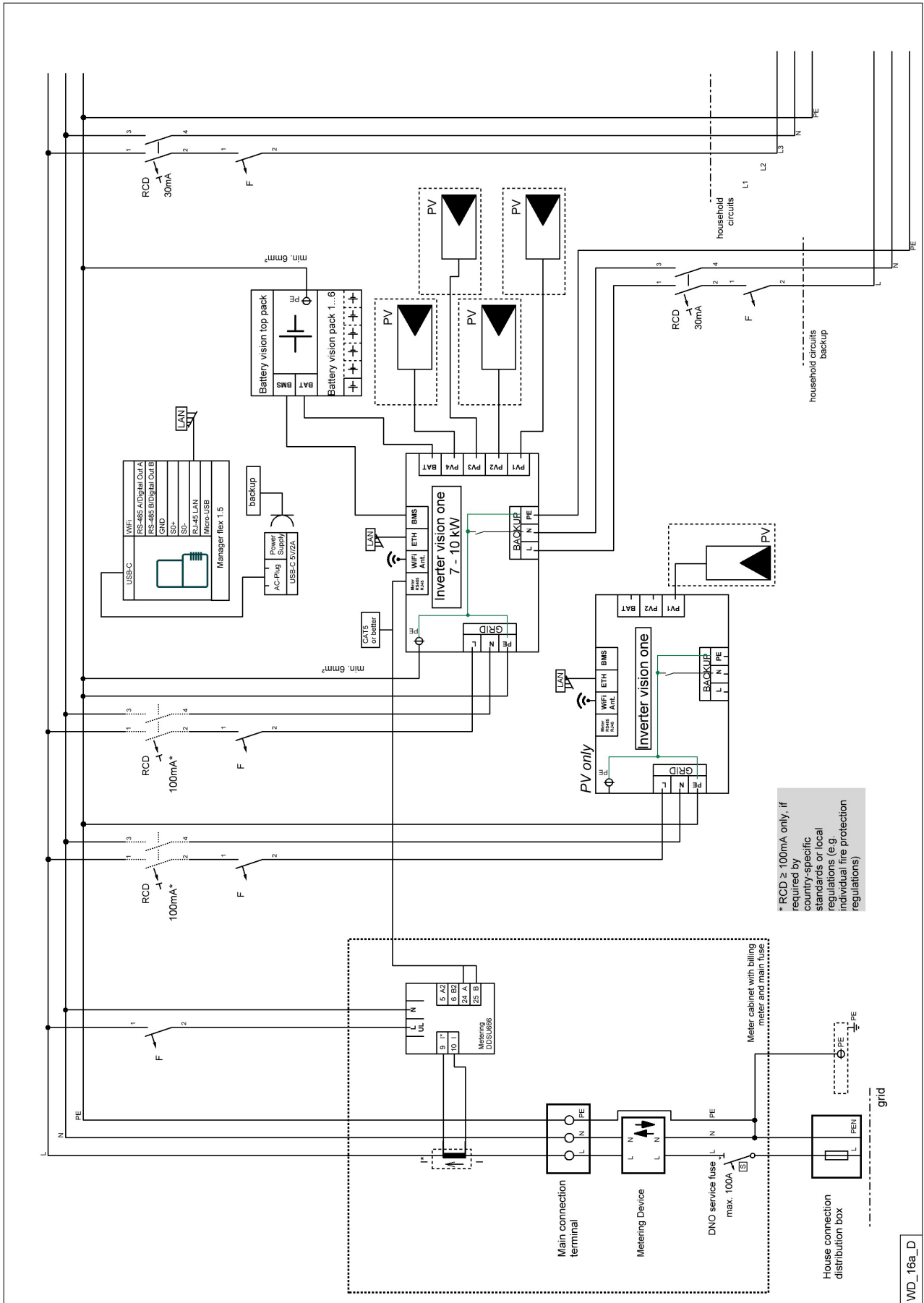


Scan de QR-code hieronder voor gedetailleerde installatie en gebruiksinstructies.



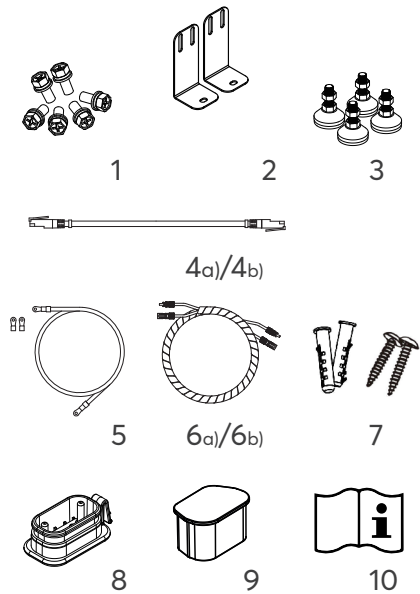


# SYSTEM DESIGN



**Battery vision packs**

**Packing list top pack**



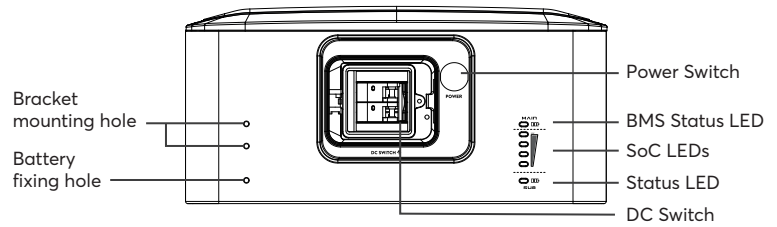
- 1 Screws  
2 for pack fixing and 4 for bracket-fixing
- 1a) M6 screws (top pack 2.0)
- 1b) M5 screws (top pack 1.0)
- 2 Fixing bracket
- 3 Footstand
- 4 Comm. cable, BMS - Inverter
- 4a) 3,0 m (top pack 2.0)
- 4b) 1,5 m (top pack 1.0)
- 5 Grounding cable  
with 2 additional cable lugs
- 6 DC cable 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 Connector protection cover  
(only included for pack 1.0)
- 10 Safety Instructions

**Packing list pack**

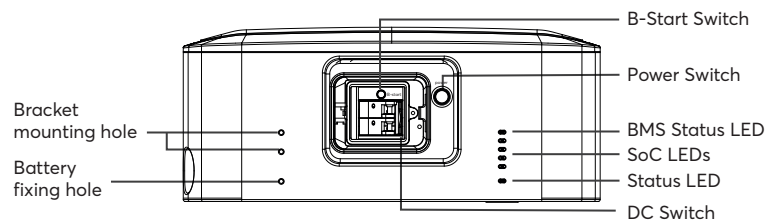


- 23 Screws for pack-fixing
- 23a) M6 screws (pack 2.0)
- 23b) M5 screws (pack 1.0)
- 24 Safety Instructions

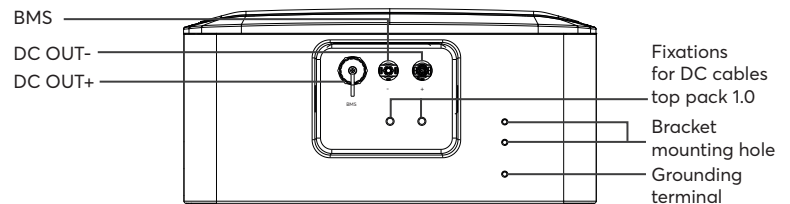
**View from the left side top pack 2.0**



**View from the left side top pack 1.0**

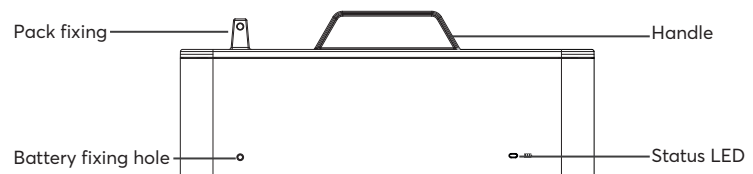
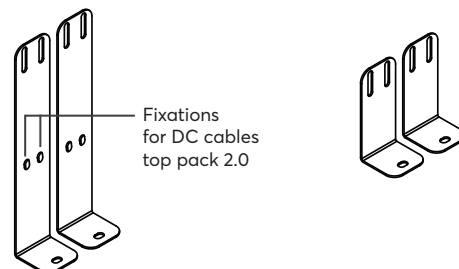


**View from the right side**



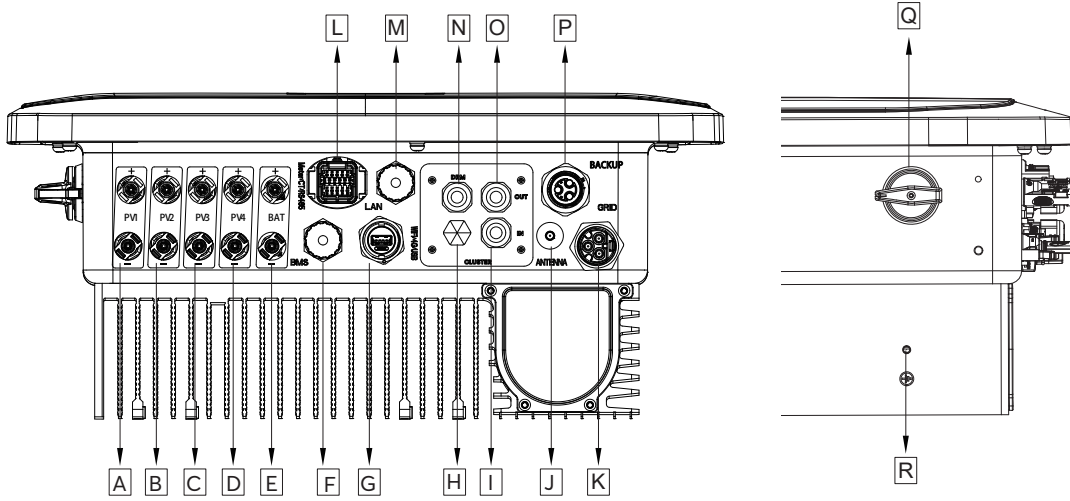
**Fixing bracket top pack 2.0**

**Fixing bracket top pack 1.0**

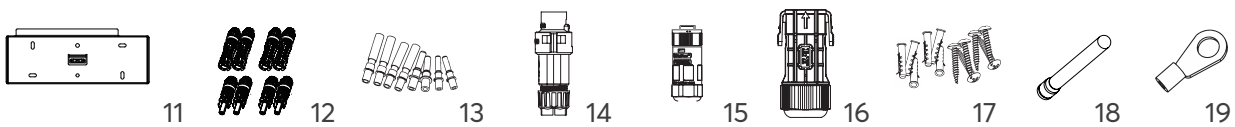


**DEVICE DESIGNS AND PACKING LISTS**

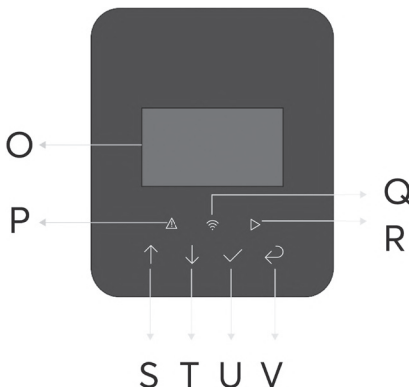
**Inverter vision one 1.0 (7-10 kW)**



- |                     |                         |               |
|---------------------|-------------------------|---------------|
| A PV 1              | G WIFI/4G/USB           | M LAN         |
| B PV 2              | H WATERPROOF LOCK VALVE | N DRM         |
| C PV 3              | I CLUSTER IN            | O CLUSTER OUT |
| D PV 4              | J ANTENNA               | P BACKUP      |
| E BATTERY CONNECTOR | K GRID                  | Q DC SWITCH   |
| F BMS               | L METER/CT/RS485        | R GROUNDING   |



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

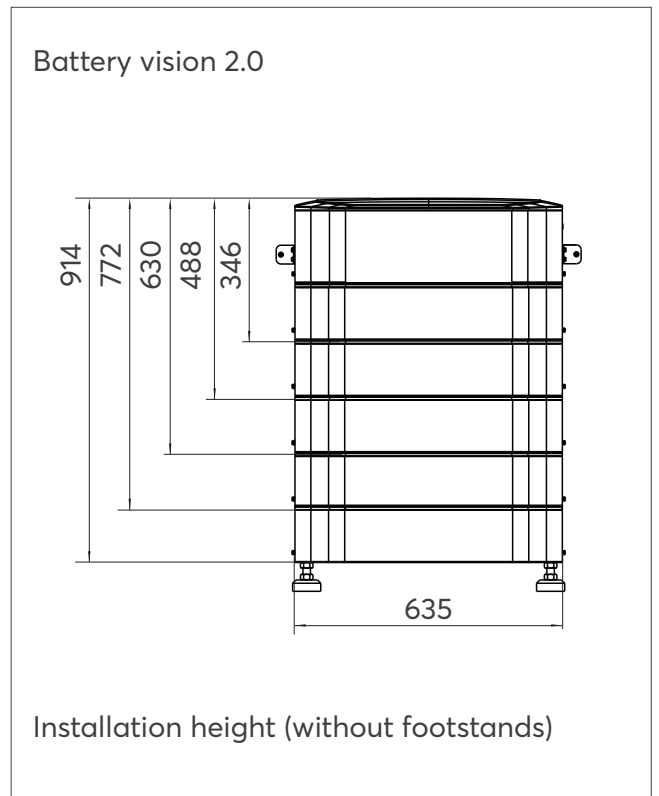
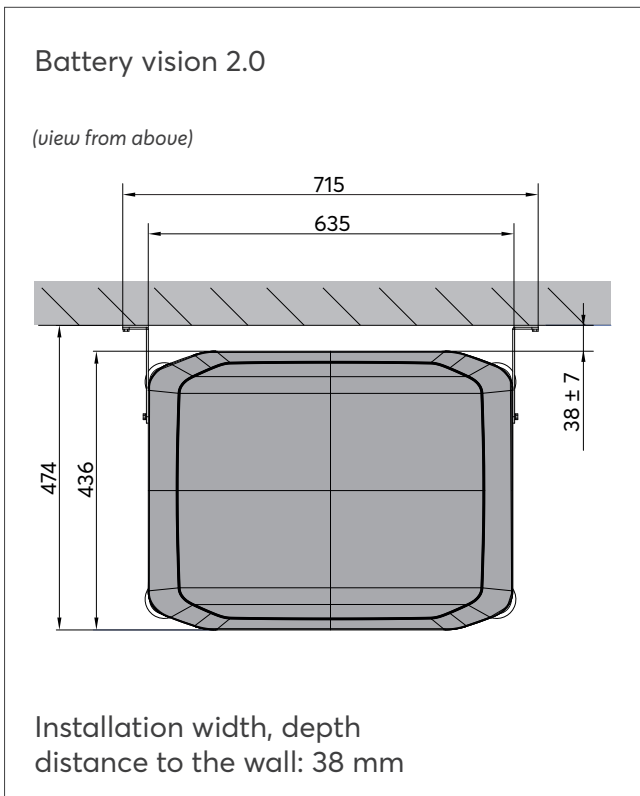
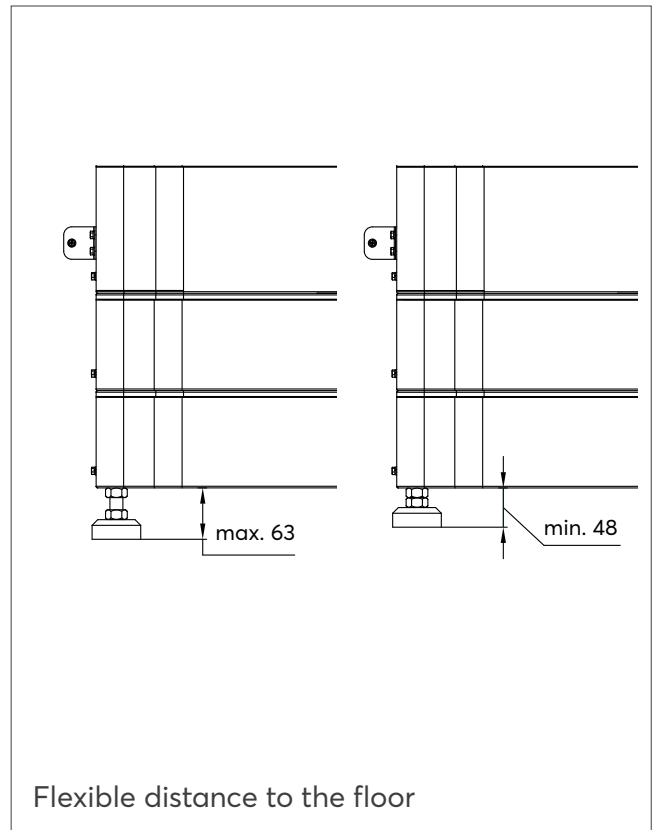
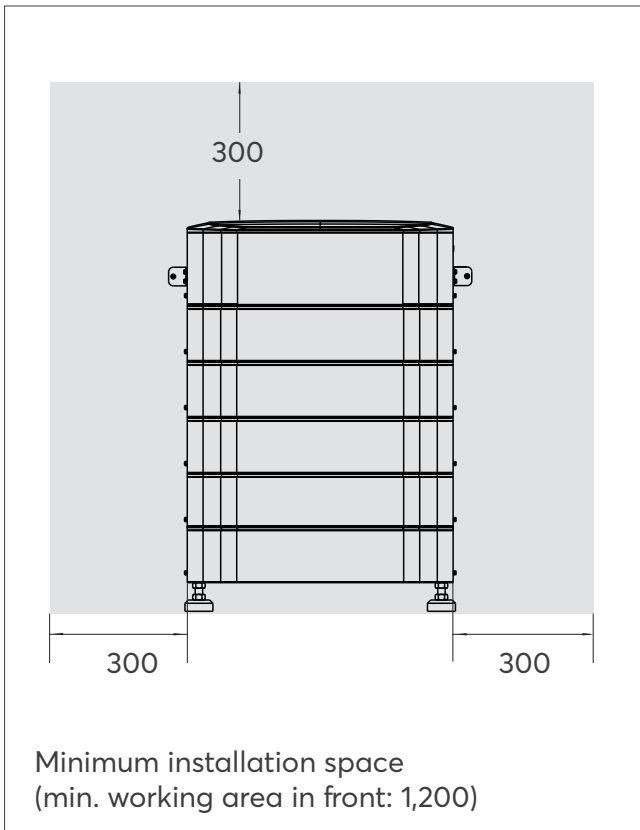


- O LC display
- P red: fault
- Q blue: WiFi/LAN status
- R green: operational state
- S move up; increase value
- T move down; decrease value
- U confirm
- V return/exit

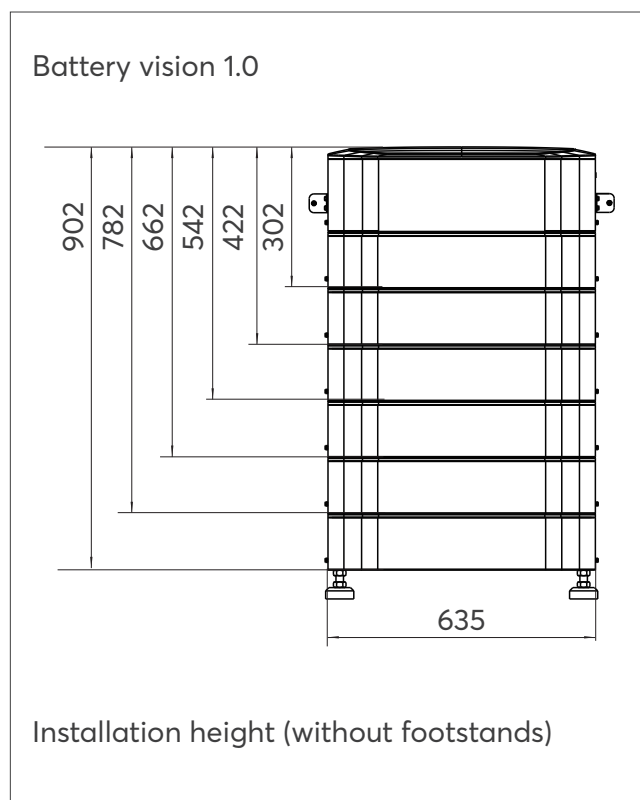
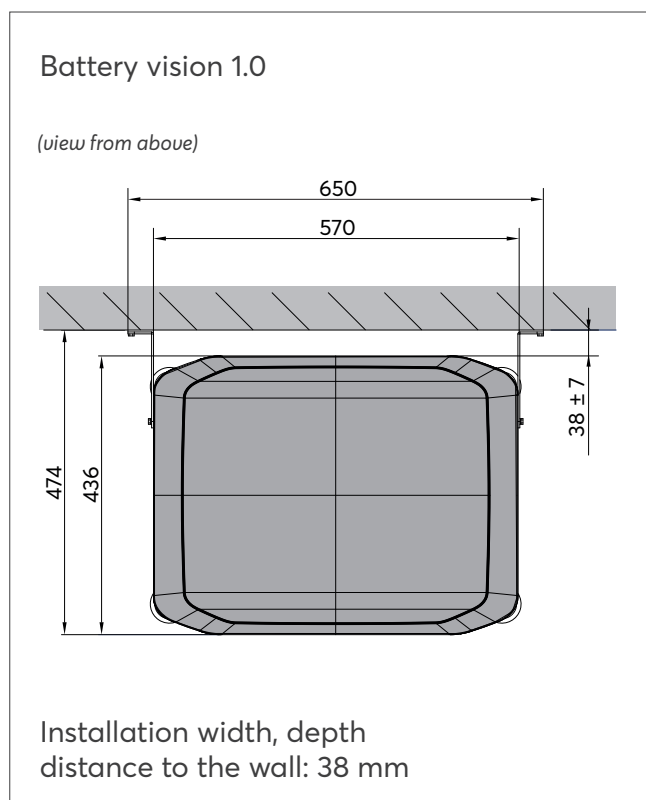
**Additional equipment required:**

- 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

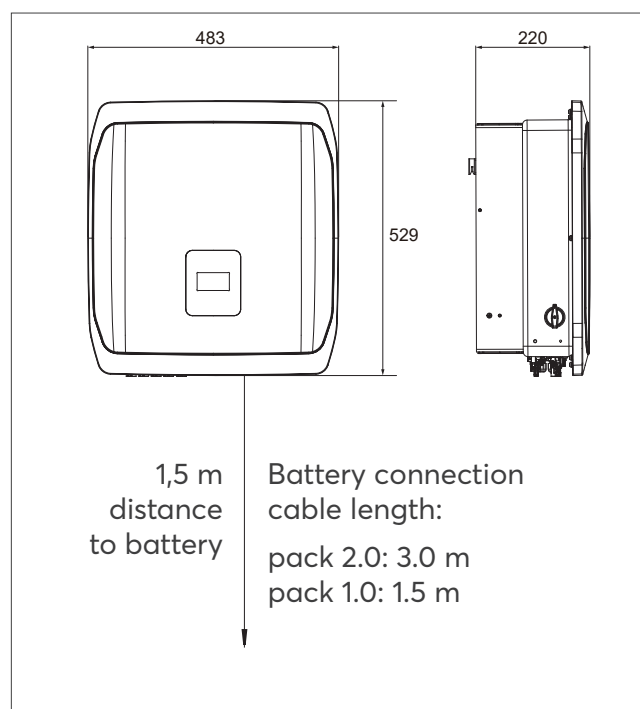
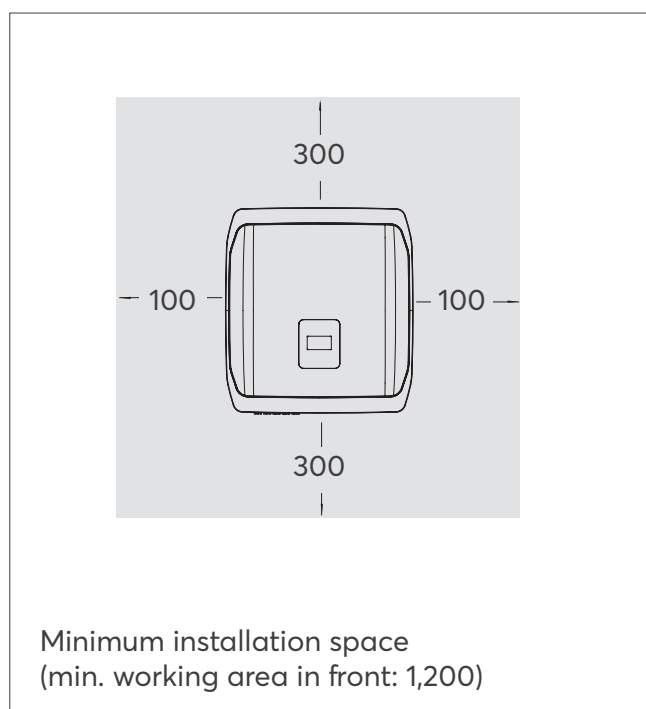
## DIMENSIONS BATTERY VISION [MM]



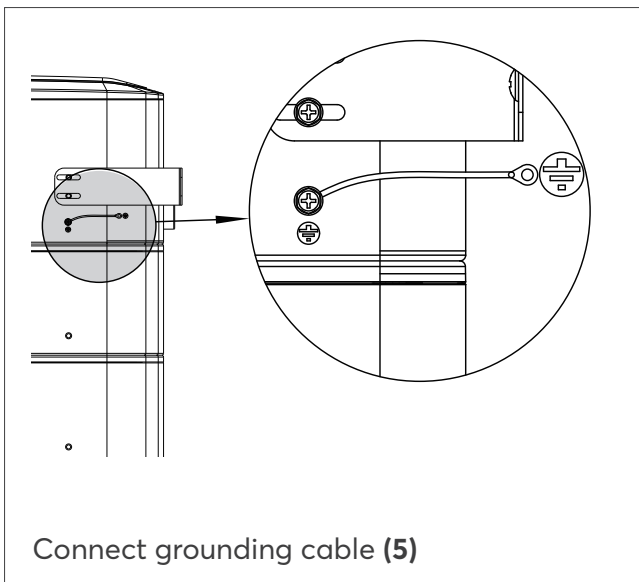
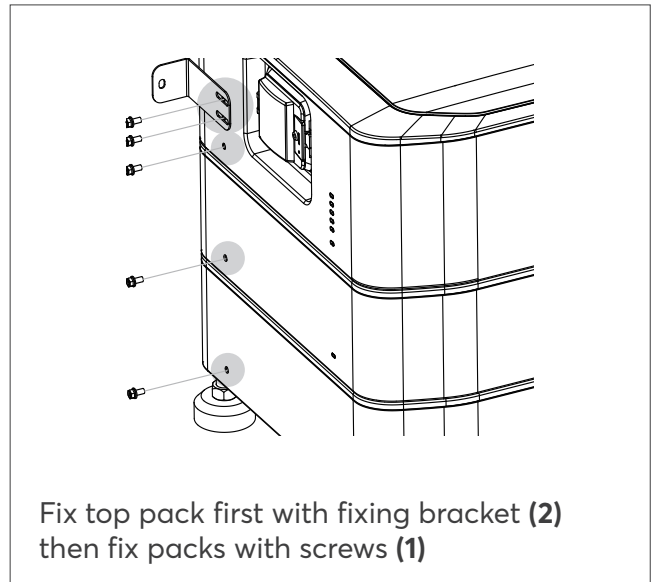
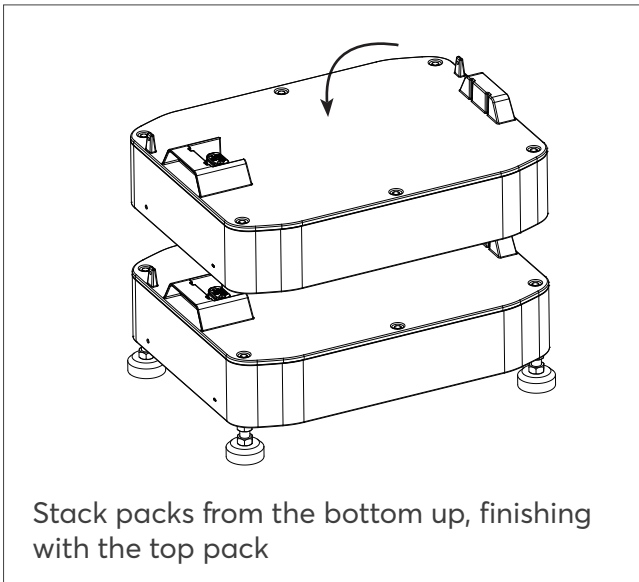
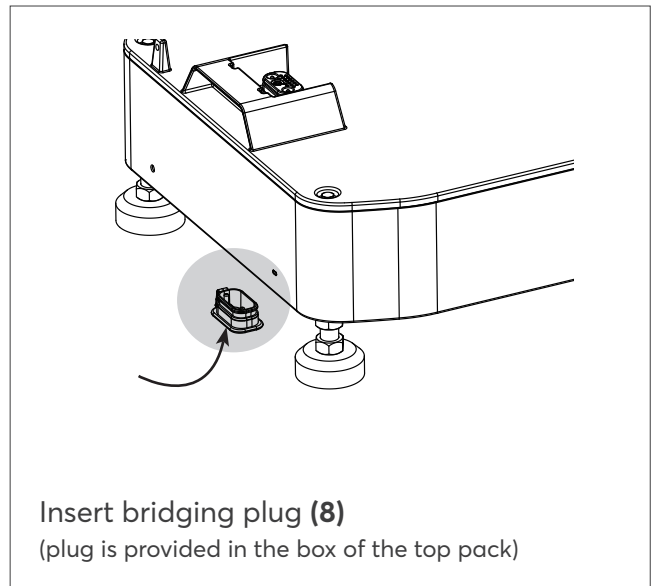
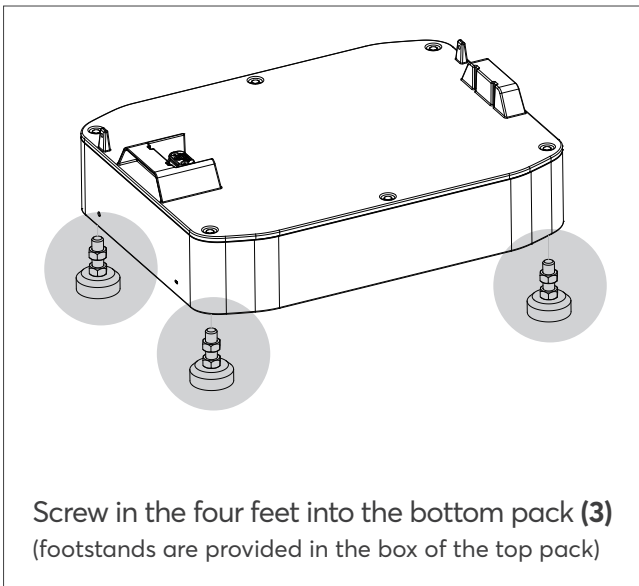
## DIMENSIONS BATTERY VISION [MM]



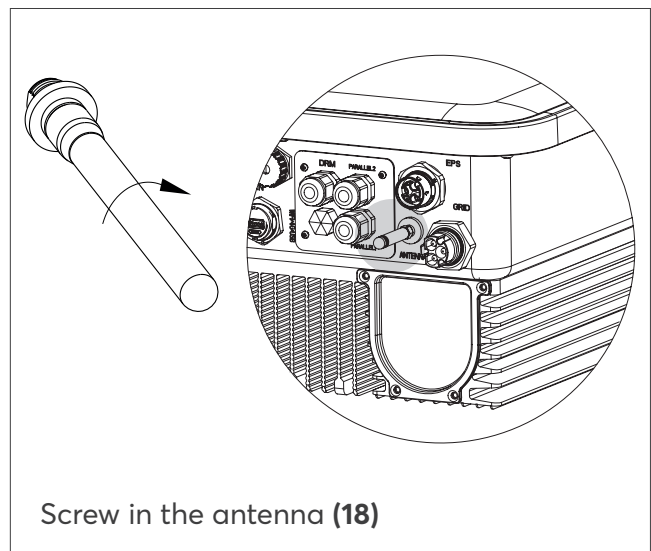
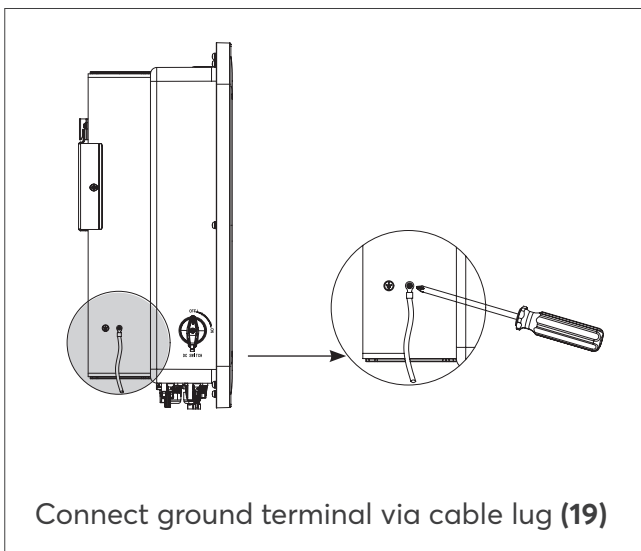
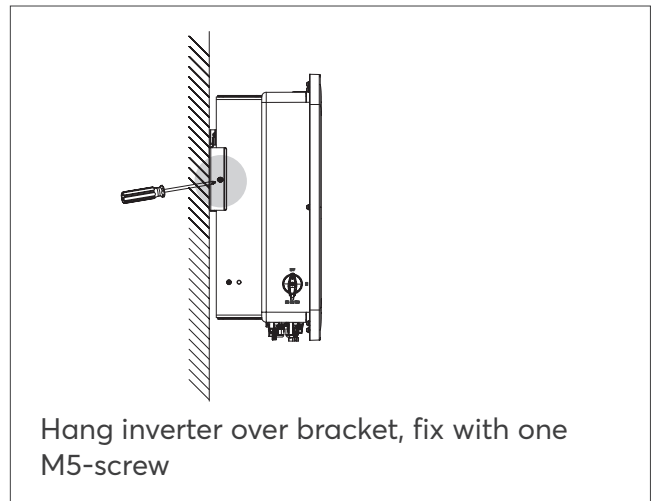
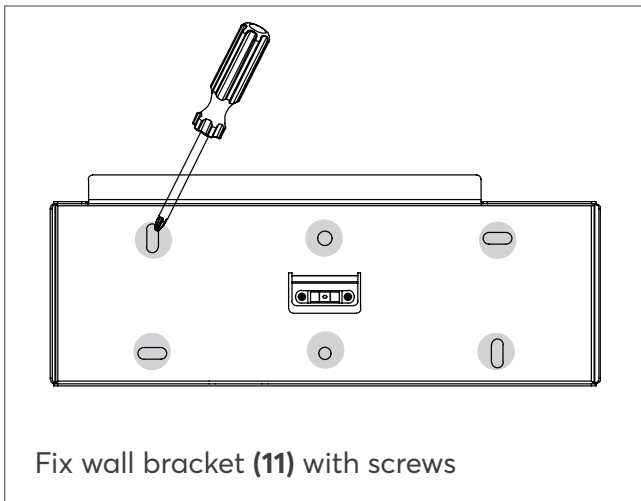
## DIMENSIONS INVERTER VISION ONE [MM]



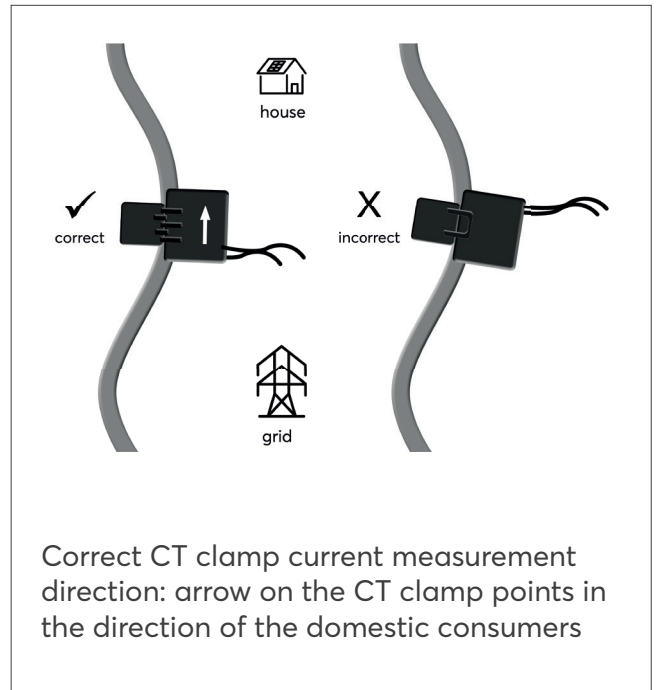
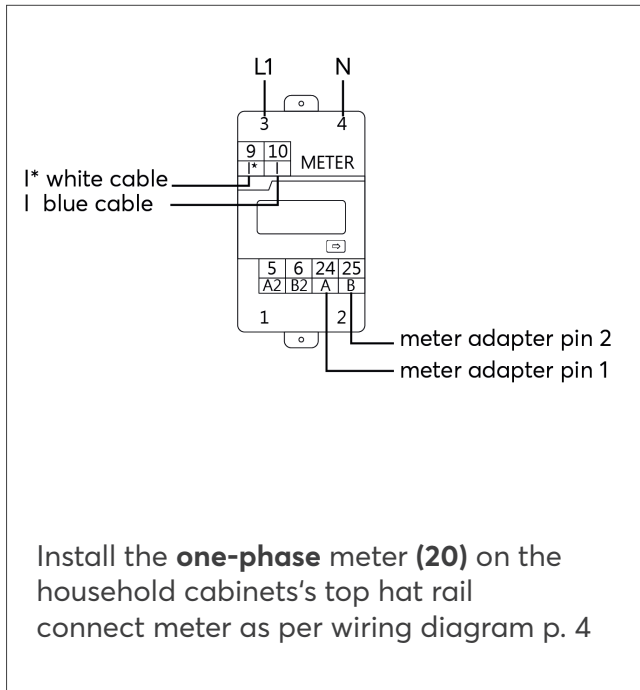
## BATTERY PACKS ASSEMBLY AND WIRING



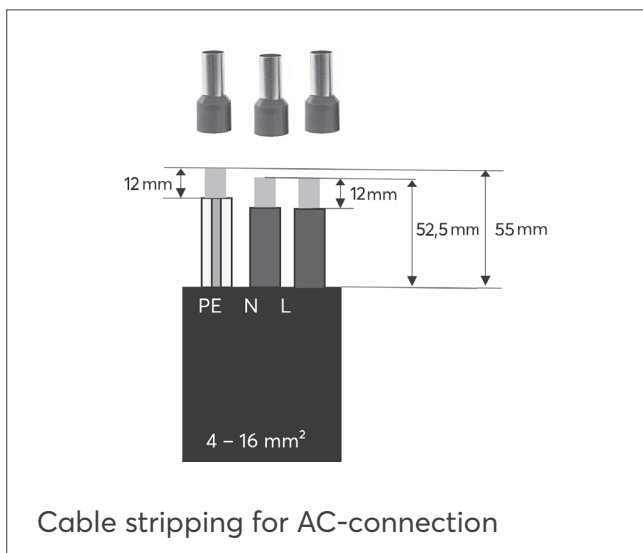
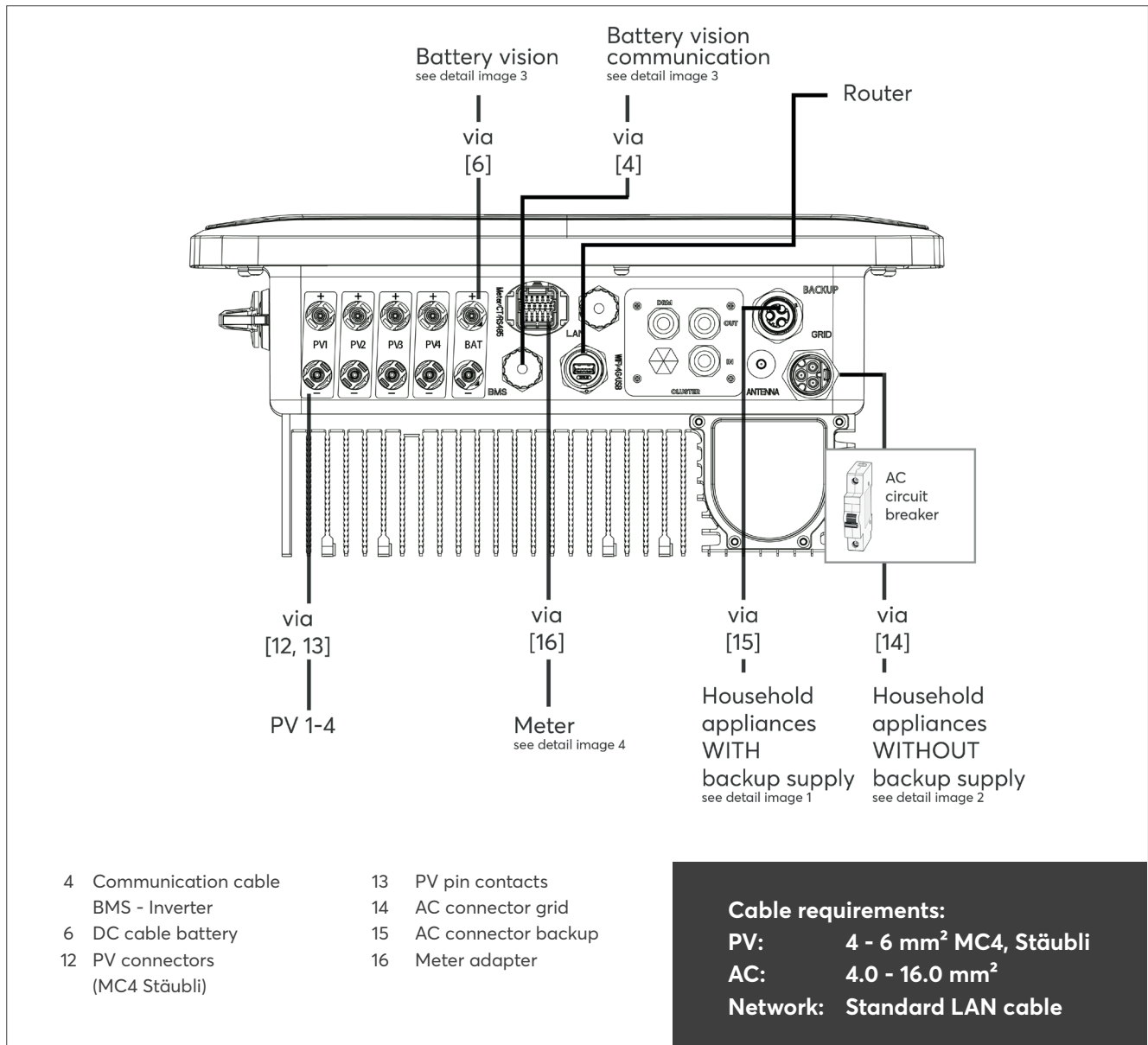
## INVERTER ASSEMBLY AND WIRING



## METER INSTALLATION AND WIRING

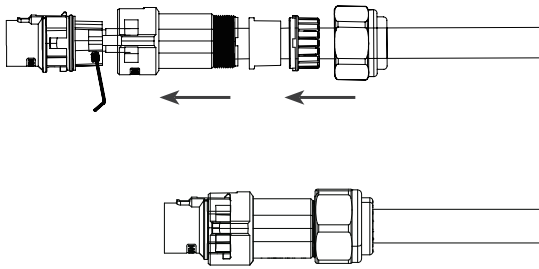


# INVERTER WIRING



## INVERTER ASSEMBLY AND WIRING

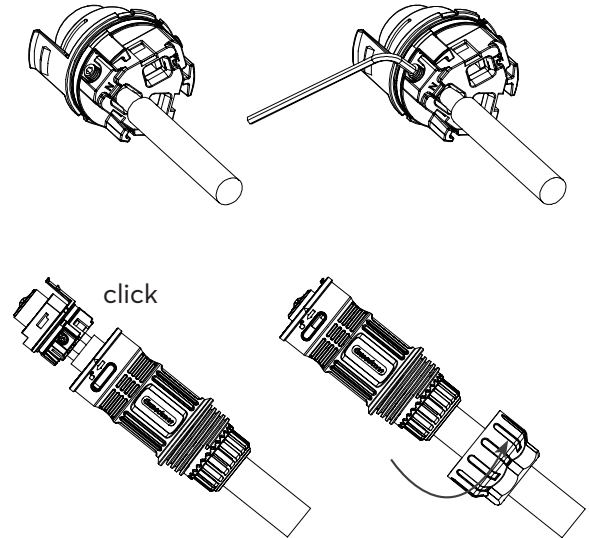
### detail 1



#### AC GRID

- Slide the cable nut and then the rear sleeve of the plug (14) onto the cable
- Insert the wires into the connector and tighten the screws
- Plug in the connector until it is securely connected

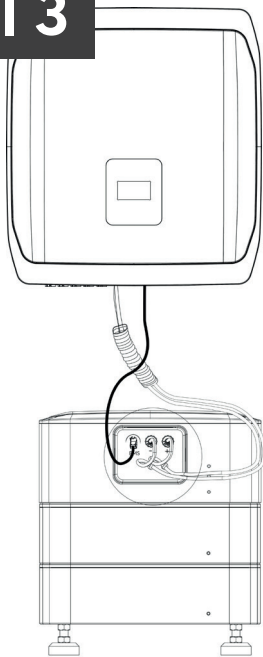
### detail 2



#### AC BACKUP

- Insert the wires into the plug (15) and secure them with an allen key
- Press the housing into the socket
- Tighten the cable nut
- Plug in the connector until it is securely connected

### detail 3

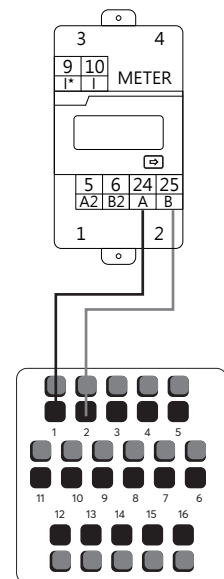


Connect Battery (6, 4)

### detail 4

PIN meter	24	25
PIN adapter	1	2

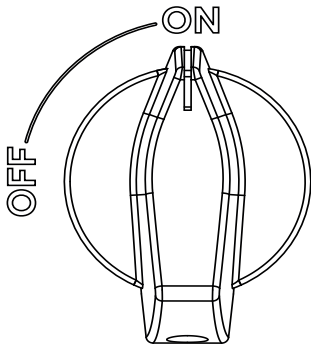
(connection-side view  
on the plug)



Connect the one-phase meter (16, 20)

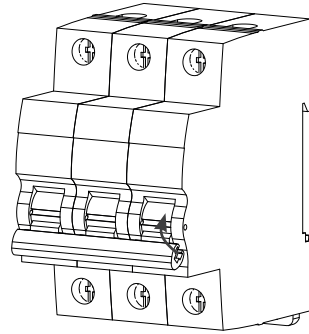
## SYSTEM START UP

1



Turn inverter DC switch ON

2




Turn on

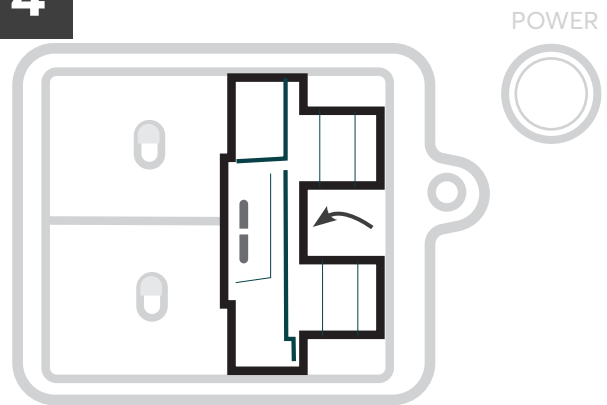
- AC breaker Grid
- AC breaker Backup (if locally required)

3



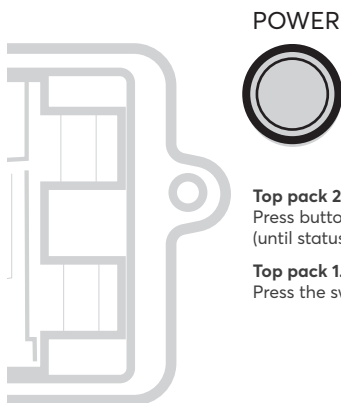
- set grid code for grid safety
  - set the current date & time
- Press inverter confirm button  for 3 sec.
- select START

4



Turn battery DC switch (top pack) ON

5



POWER



**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.**

---

## COMMISSIONING WITH THE SOLARWATT PRO APP



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  $\varphi$

#### Charger vision


- Make the device 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

## TURNING THE SYSTEM OFF

1



Press inverter confirm button  for 3 sec.  
• select STOP

2



POWER

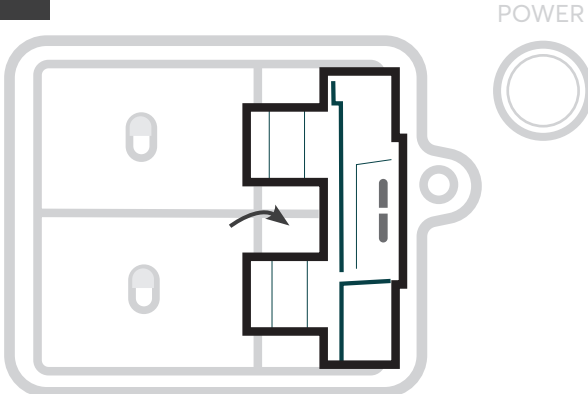


**Top pack 2.0:**  
Press button for 5 sec  
(until status LED turns off)

**Top pack 1.0:**  
Press the switch

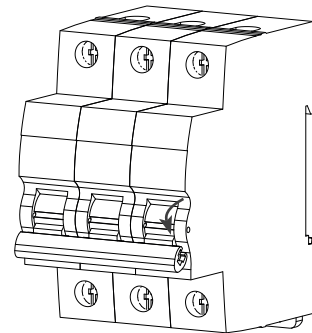
Press battery POWER button (top pack)

3



Turn battery DC switch (top pack) OFF

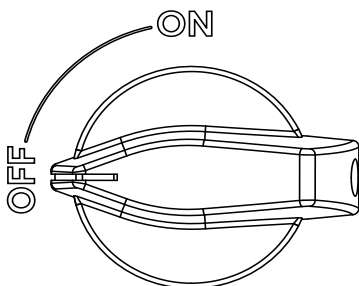
4



Turn off

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

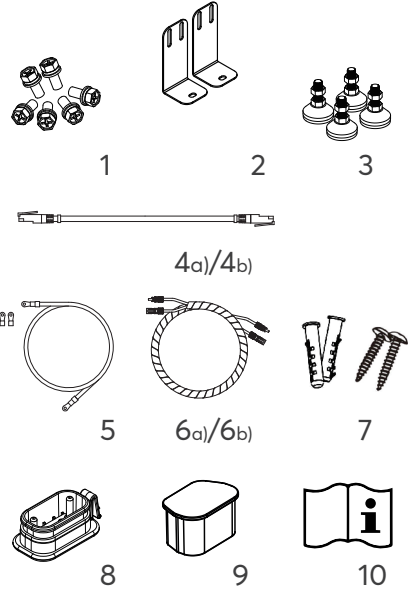
5



Turn inverter DC switch OFF

Battery vision packs

Lieferumfang top pack



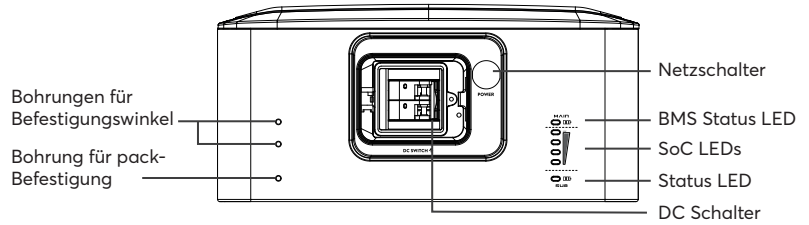
- 1 Schrauben,  
2 für pack-Fixierung, 4 für Wandhalter-  
befestigung
- 1a) M6 (top pack 2.0)
- 1b) M5 (top pack 1.0)
- 2 Befestigungswinkel
- 3 Standfüße
- 4 Komm. kabel, BMS - Inverter
- 4a) 3,0 m (bei pack 2.0)
- 4b) 1.5 m (bei pack 1.0)
- 5 Erdungskabel  
mit 2 zusätzlichen Kabelschuhen
- 6 DC-Kabel 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

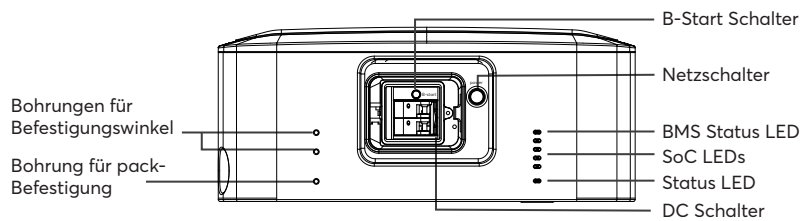


- 23 Schrauben  
für pack Befestigung
- 1a) M6 (pack 2.0)
- 1b) M5 (pack 1.0)
- 24 Sicherheitshinweise

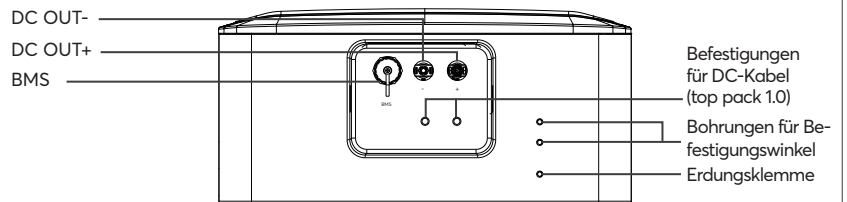
Ansicht von links top pack 2.0



Ansicht von links top pack 1.0

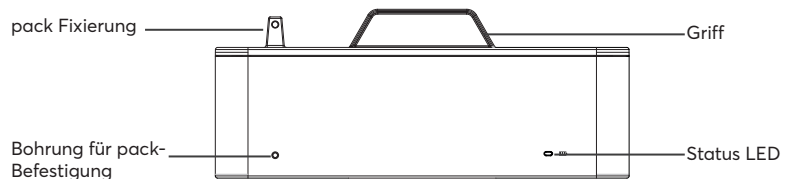


Ansicht von rechts



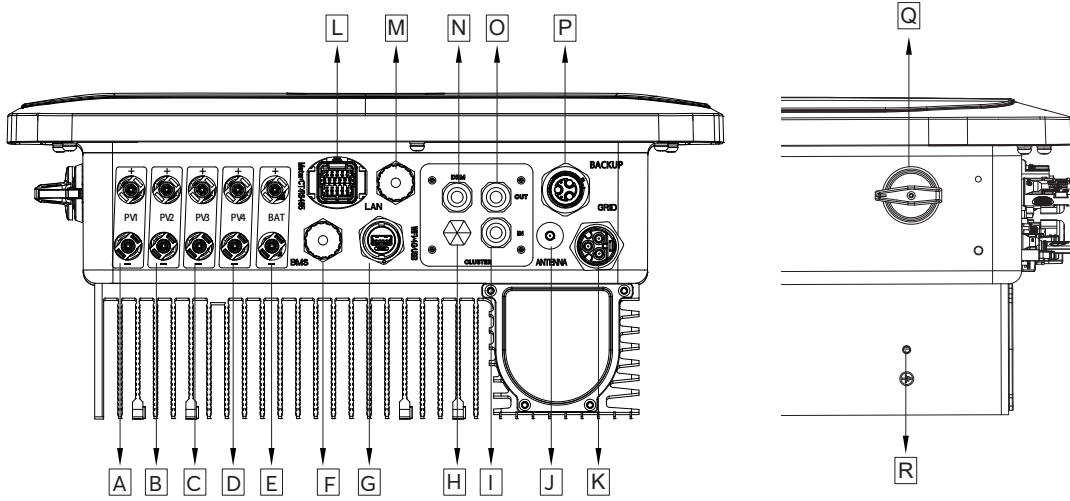
Befestigungswinkel  
top pack 2.0

Befestigungswinkel  
top pack 1.0

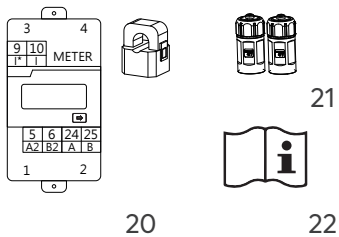
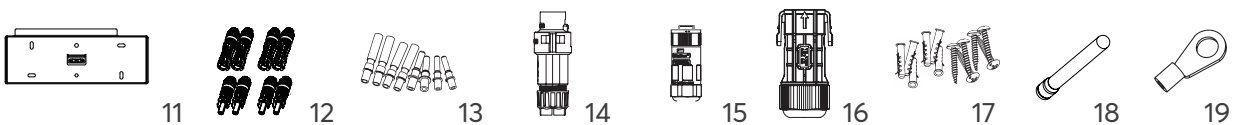


# AUFBAU UND LIEFERUMFANG

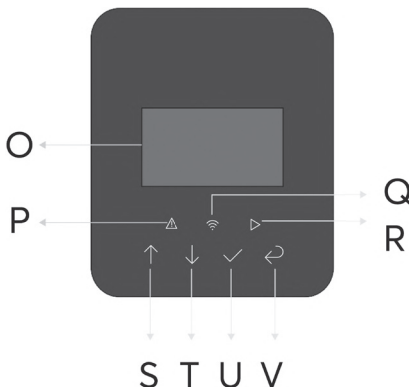
## Inverter vision one 1.0 (7-10 kW)



- |                     |                      |               |
|---------------------|----------------------|---------------|
| A PV 1              | G WIFI/4G/USB        | M LAN         |
| B PV 2              | H ANSCHLUSSABDECKUNG | N DRM         |
| C PV 3              | I CLUSTER IN         | O CLUSTER OUT |
| D PV 4              | J ANTENNE            | P BACKUP      |
| E BATTERIEANSCHLUSS | K NETZ               | Q DC SCHALTER |
| F BMS               | L ZÄHLER/CT/RS485    | R ERDUNG      |



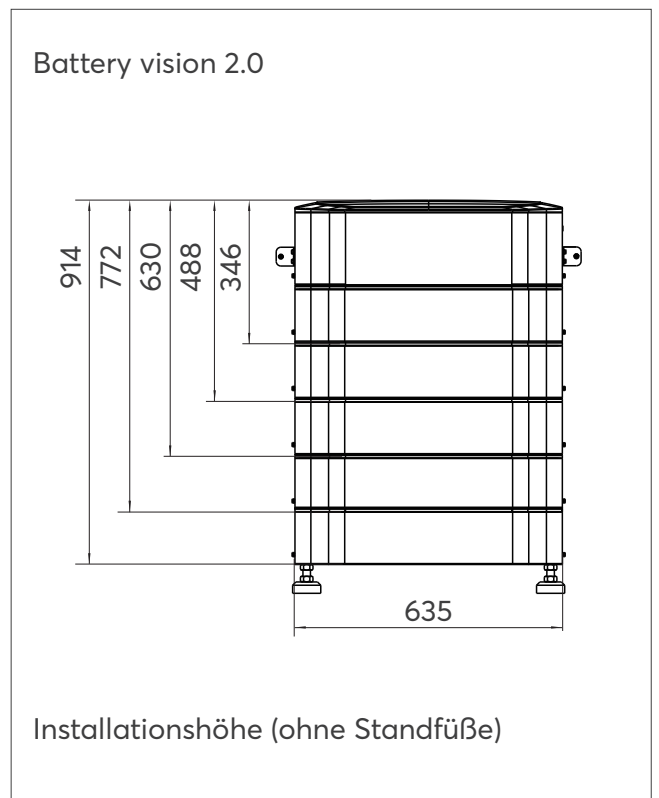
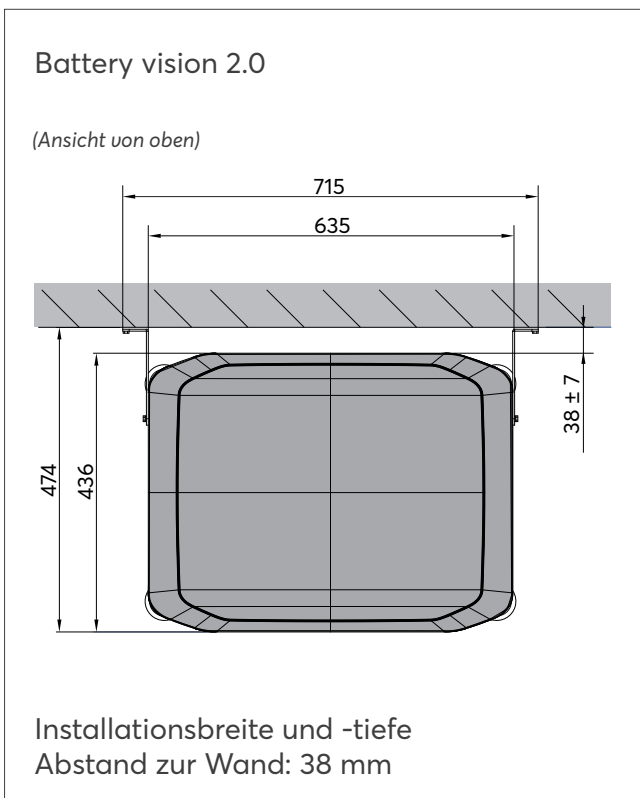
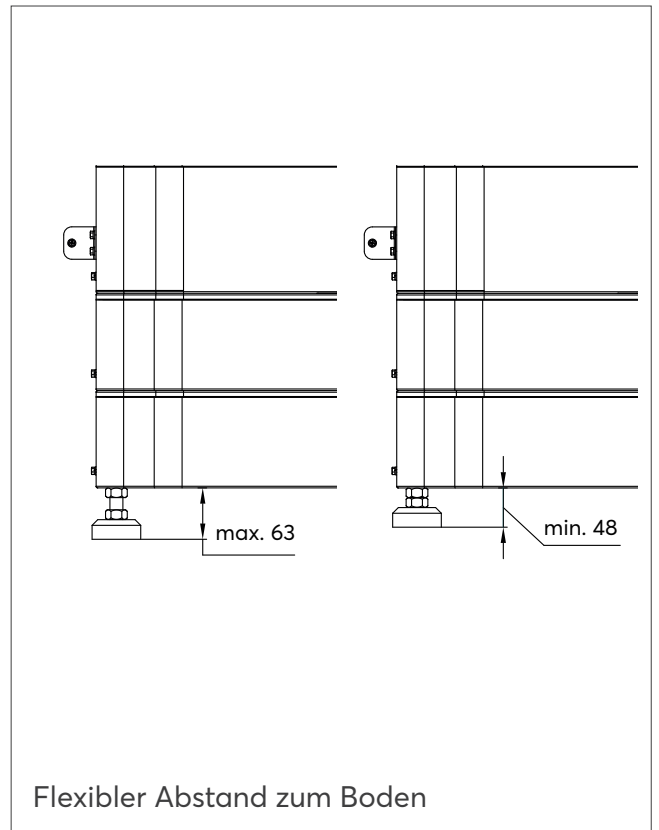
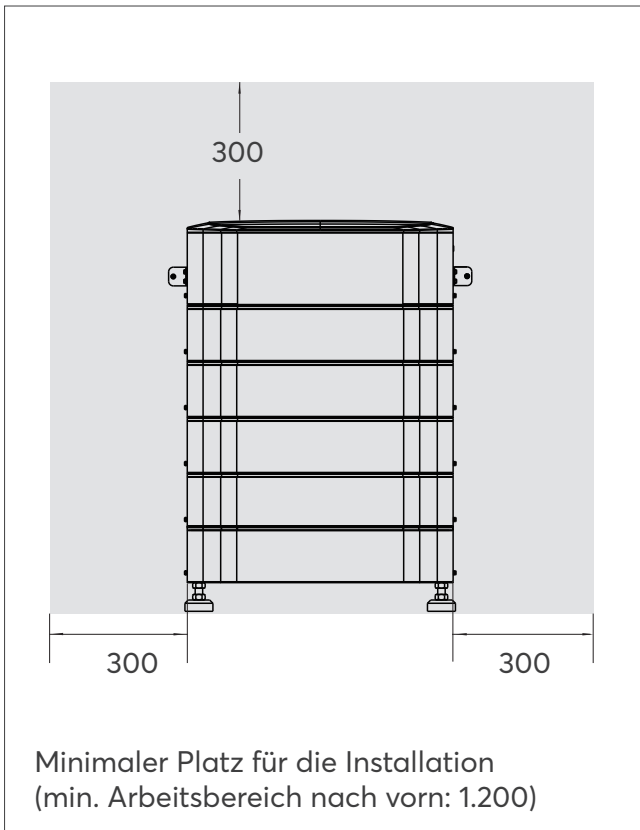
- |                                       |  |
|---------------------------------------|--|
| 11 Wandhalter                         | 17 Schrauben für Wandbe-<br>festigung, Dübel                 |
| 12 PV-Steckverbinder (MC4 Stäubli)    | 18 Antenne   |
| 13 PV-Pin-Kontakte                    | 19 Kabelschuh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



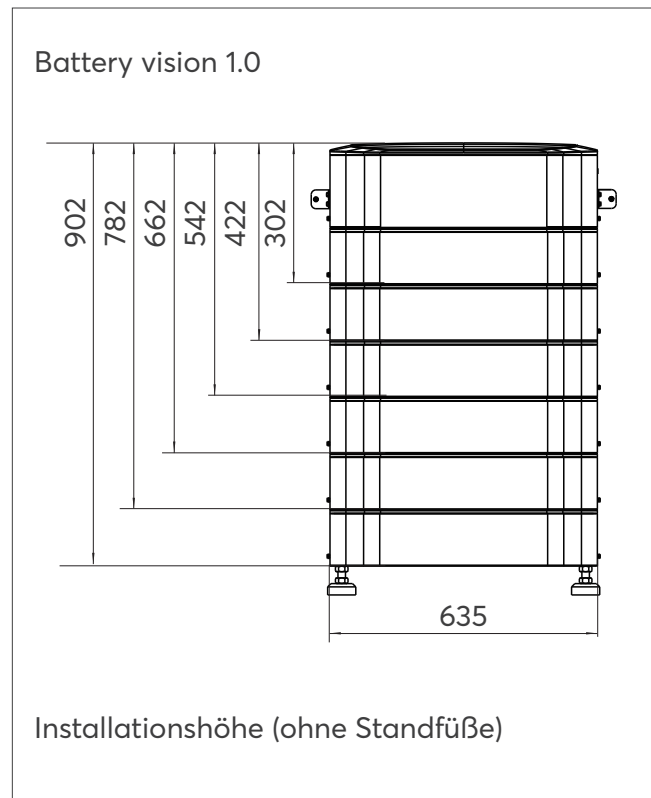
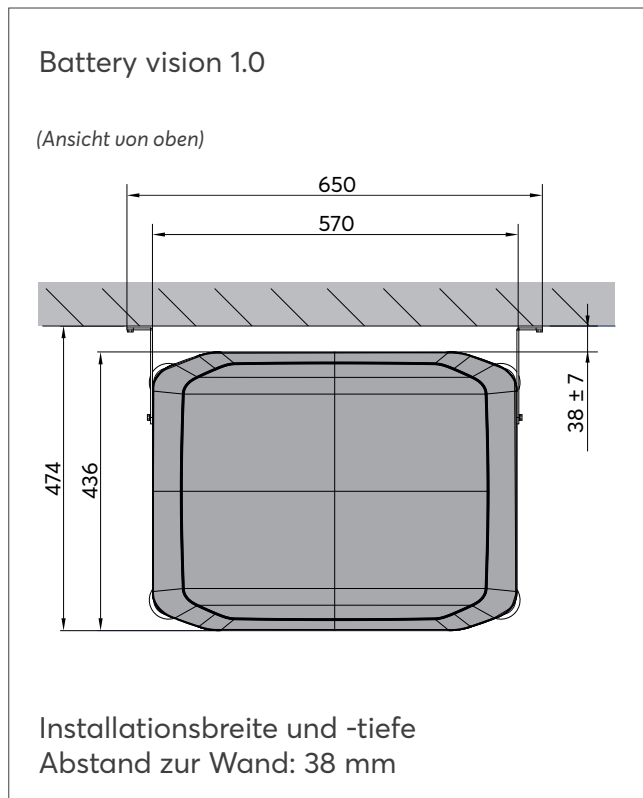
### Zusätzlich benötigt:

- Kommunikationskabel (2-adri-  
ges RS485-Kabel) für die Ver-  
bindung mit dem Zähler
- DC- und AC-Kabel für den  
Wechselrichter
- LAN-Kabel für den Wechselri-  
chter (optional)
- Erdungskabel für den Wechsel-  
richter
- Leitungsschutzschalter

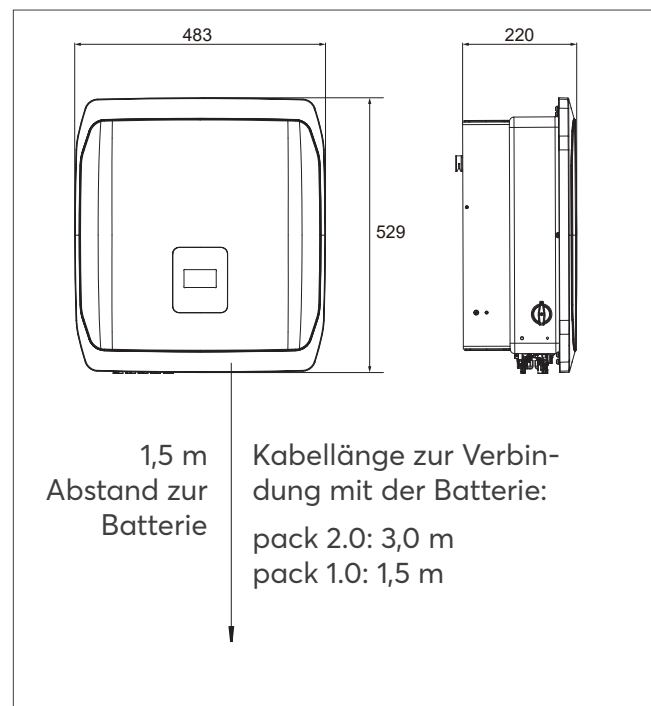
## ABMESSUNGEN BATTERY VISION [MM]



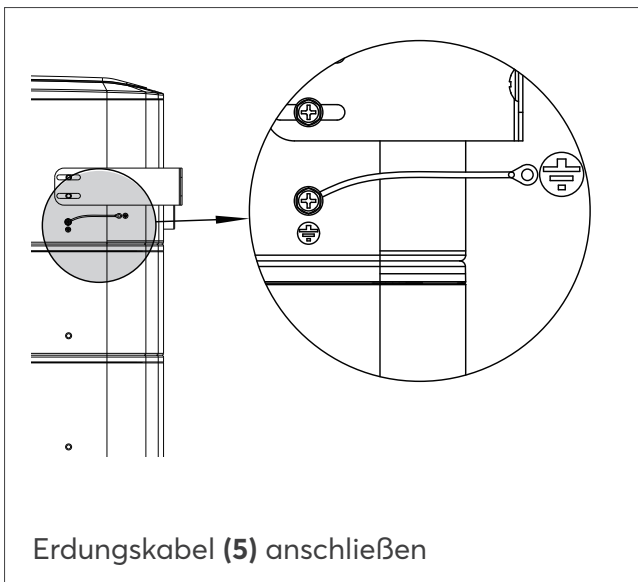
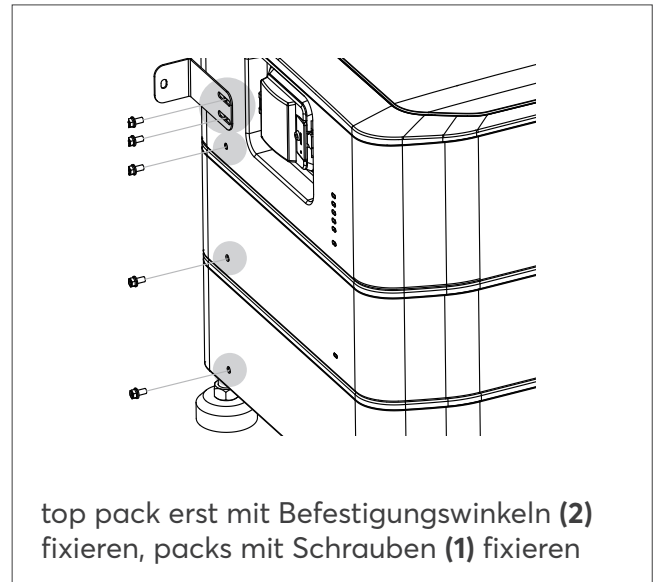
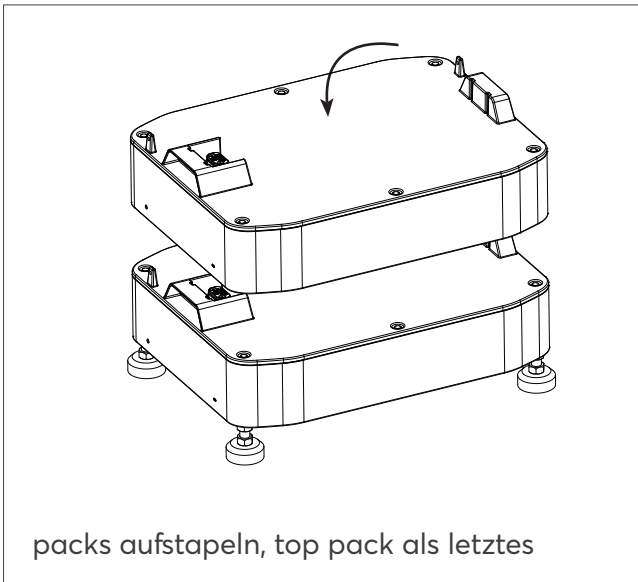
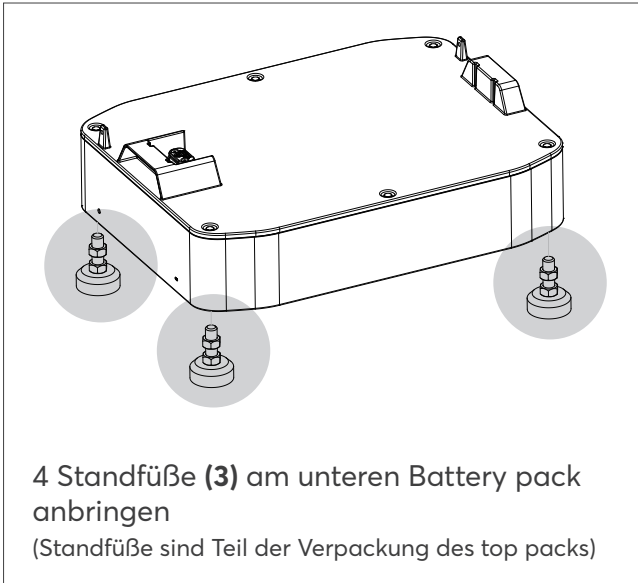
## DIMENSIONS BATTERY VISION [MM]



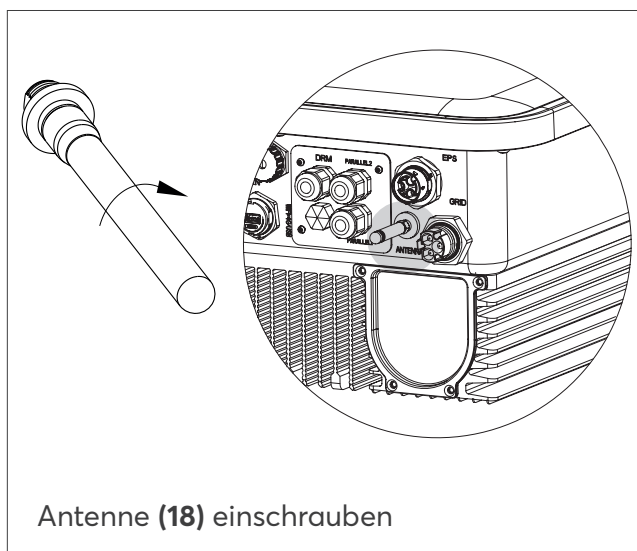
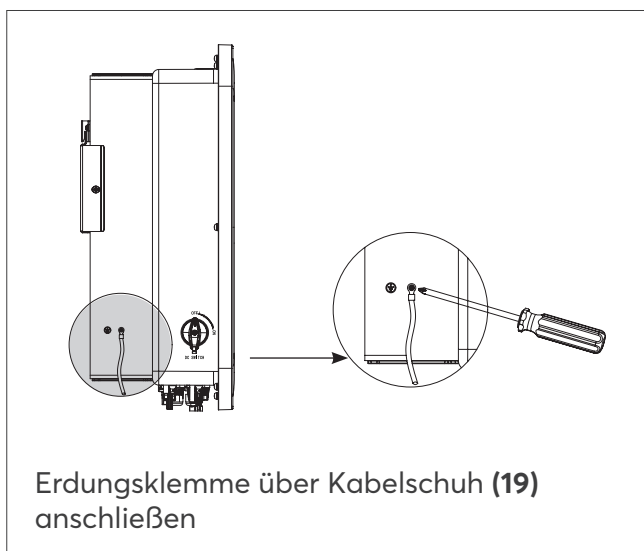
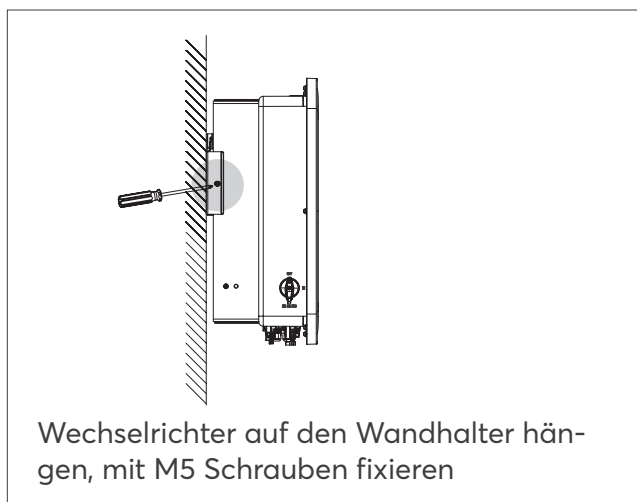
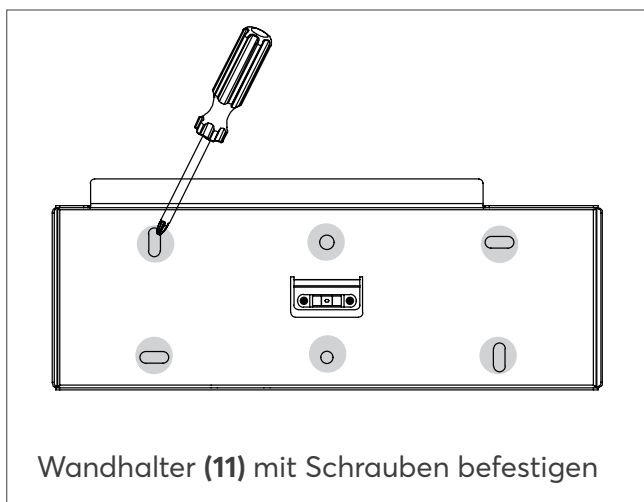
## ABMESSUNGEN INVERTER VISION ONE [MM]



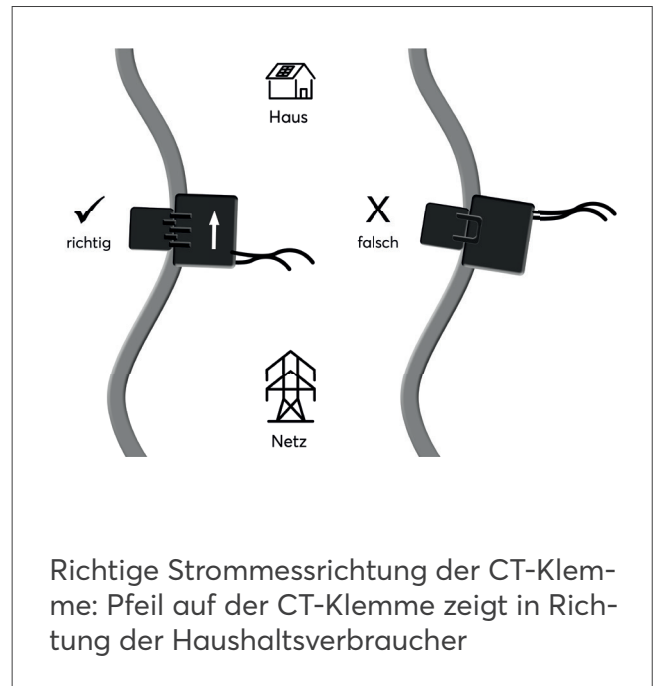
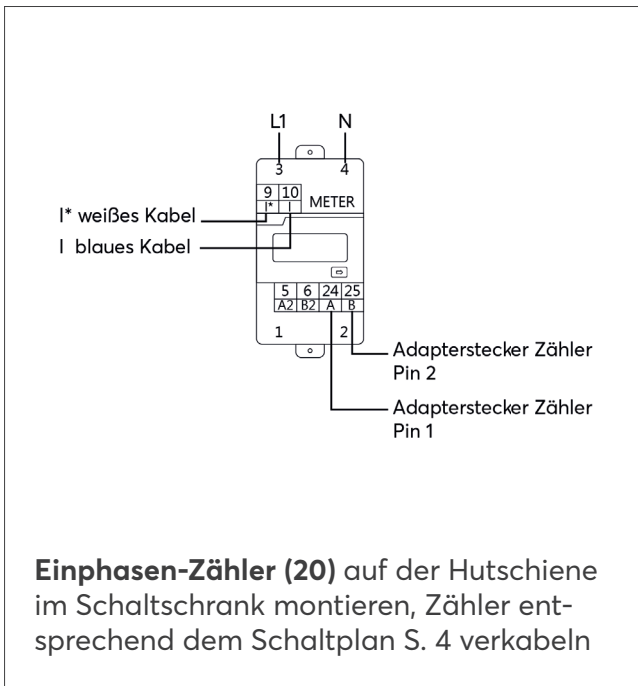
## MONTAGE UND VERKABELUNG BATTERY PACKS



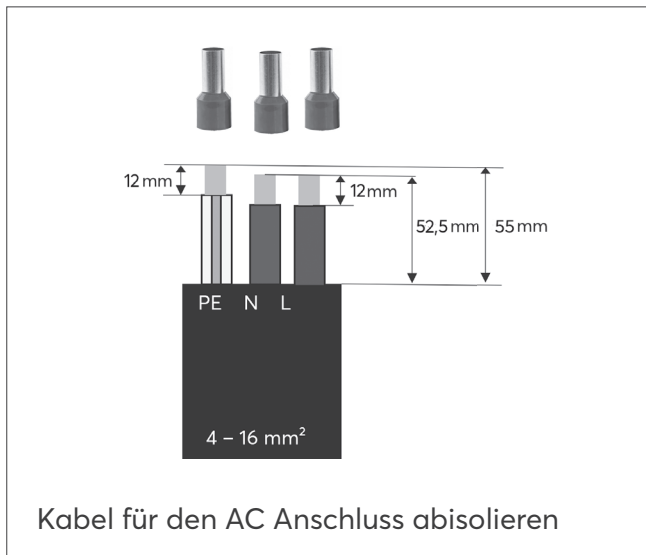
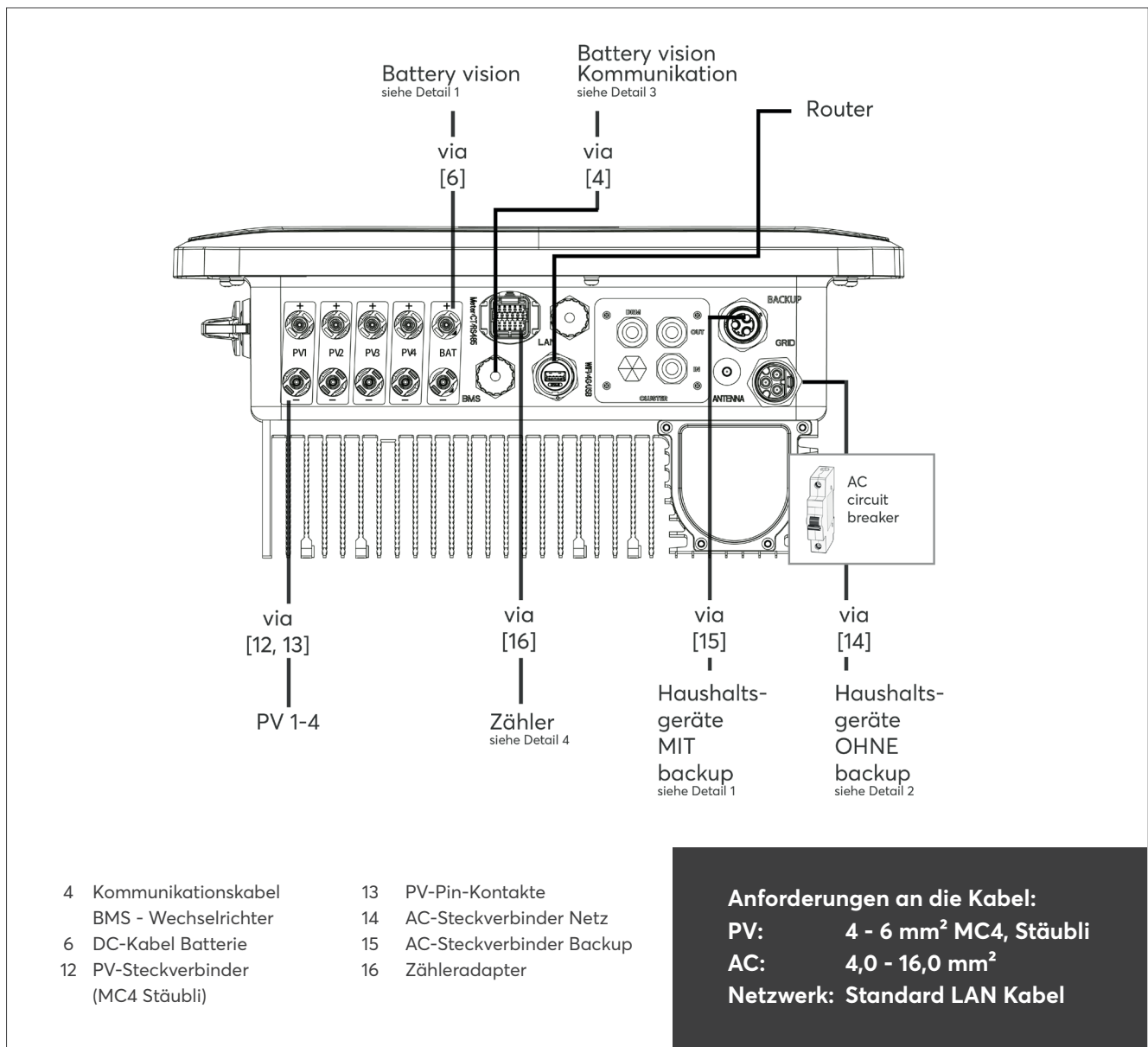
## MONTAGE UND VERKABELUNG INVERTER



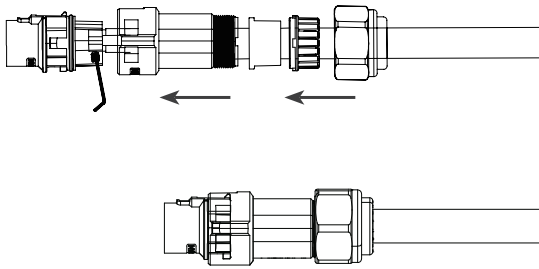
## ZÄHLER INSTALLATION UND VERKABELUNG



# WECHSELRICHTER VERKABELUNG



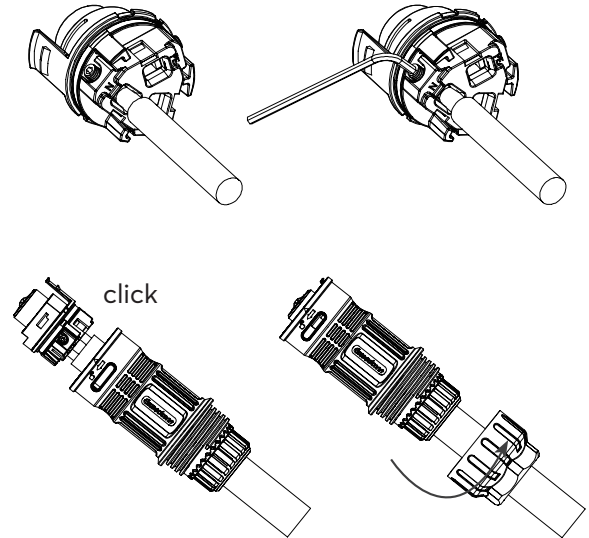
## Detail 1



### AC GRID

- Kabelmutter und anschließend die hintere Hülse des Steckers (14) auf das Kabel schieben
- Adern in den Stecker führen und Schrauben festziehen
- Stecker fest anschließen

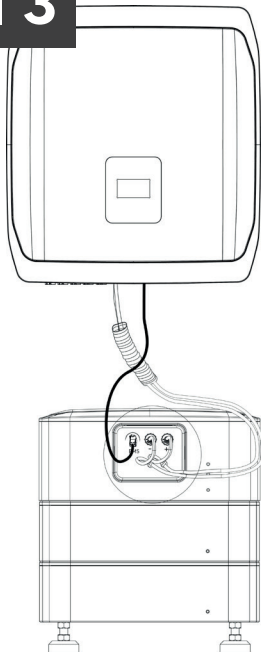
## Detail 2



### AC BACKUP

- Adern in den Stecker (15) führen und mit Inbusschlüssel fixieren
- Gehäuse in die Buchse drücken
- Kabelmutter festziehen
- Stecker fest anschließen

## Detail 3

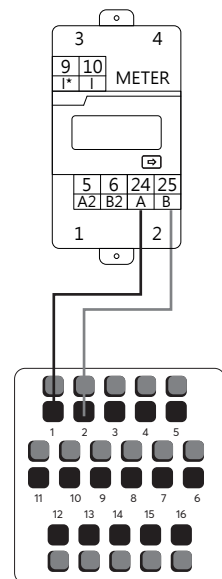


Batterie verbinden (6, 4)

## Detail 4

PIN Zähler	24	25
PIN Adapter	1	2

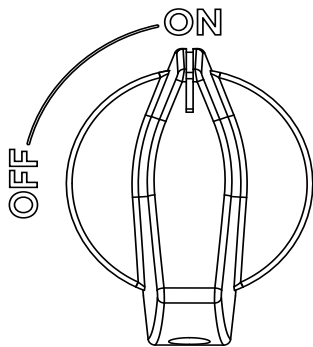
(Ansicht auf den Adapter von der Seite der Anschlüsse)



Einphasenzähler verbinden (16, 20)

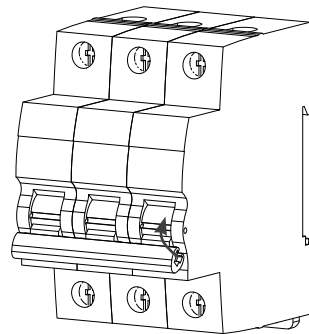
## SYSTEMSTART

1



DC-Schalter am Wechselrichter anschalten

2



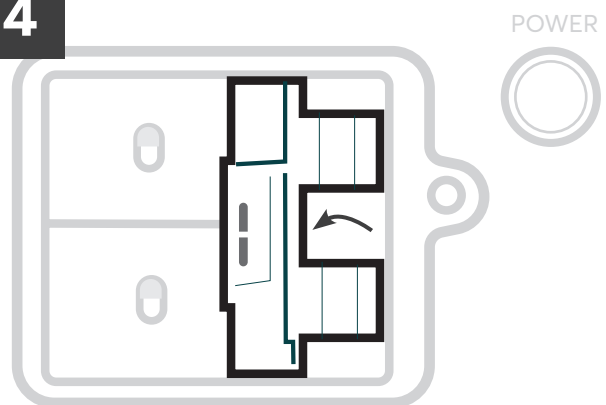
- AC-Sicherung Netz und
- AC-Sicherung backup (falls nach den örtlichen Vorgaben notwendig und vorhanden) einschalten

3



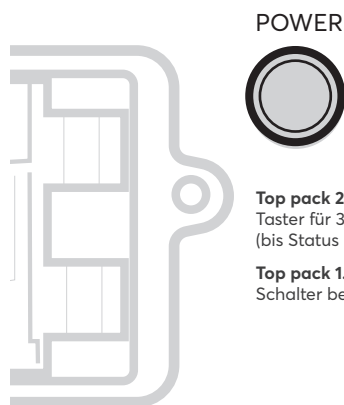
- Gridcode für Netzsicherheit einstellen
  - Datum und Zeit einstellen
- Bestätigen Button am Wechselrichter  für 3 Sekunden drücken
- START wählen

4



DC-Schalter an der Batterie (top pack) anschalten

5



POWER



**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.**

## VERBINDUNG MIT DER SOLARWATT PRO APP



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  $\varphi$  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

## SYSTEM AUSSCHALTEN

1



Bestätigen Button am Wechselrichter für 3 Sekunden drücken

- STOP wählen

2



POWER

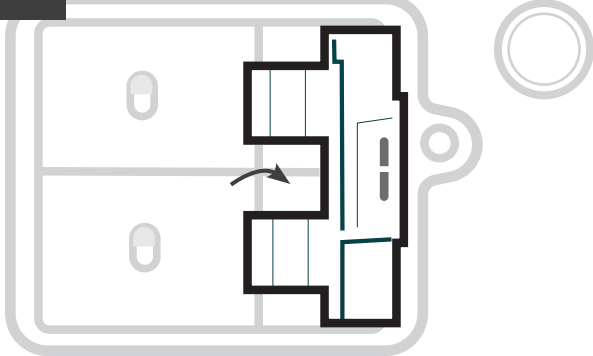


**Top pack 2.0:**  
Taster für 5 sek drücken  
(bis die Status LED erlischt)

**Top pack 1.0:**  
Schalter betätigen

POWER button an der Batterie (top pack) betätigen

3

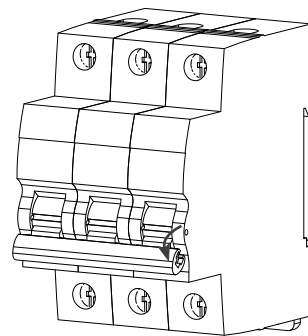


POWER



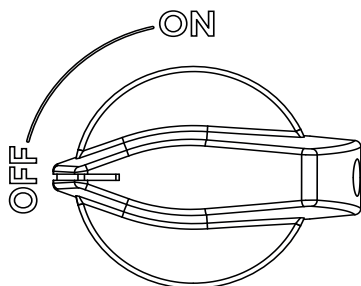
DC-Schalter an der Batterie (top pack) ausschalten

4



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

5

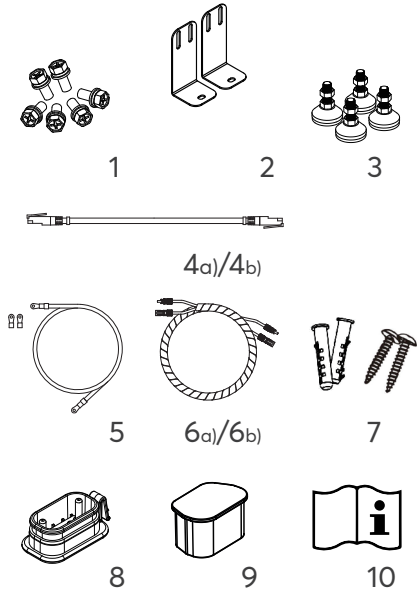


DC-Schalter am Wechselrichter ausschalten

# COMPOSITION DU SYSTÈME ET CONTENU DE LA LIVRAISON

## Battery vision packs

### Contenu de la livraison top pack



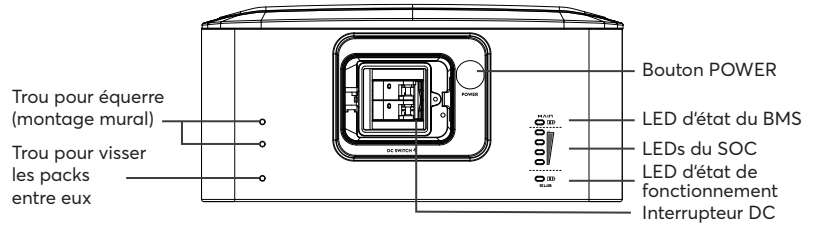
- 1 Vis  
2 pour visser les packs et  
4 pour les équerres de montage
- 1a) M6 (top pack 2.0)  
1b) M5 (top pack 1.0)
- 2 Équerres de montage
- 3 Pied de support
- 4 Câble de comm.  
BMS-Inverter
- 4a) 3,0 m (pack 2.0)  
4b) 1,5 m (pack 1.0)
- 5 Câble de mise à la terre  
(avec 2 cosses suppl.)
- 6 Câble 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 Couverture de protection  
du connecteur  
(uniquement inclus dans le pack 1.0)
- 10 Consignes de sécurité

### Contenu de la livraison pack

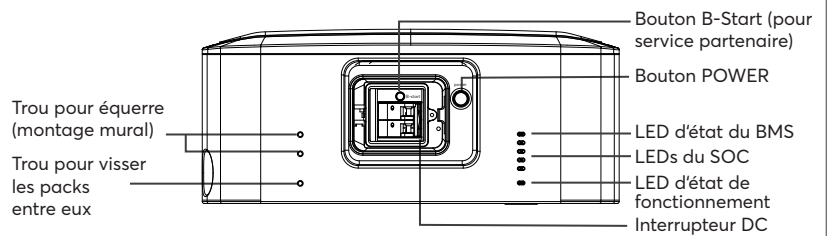


- 23 Vis pour visser les packs  
et les équerres de montage
- 23a) M6 (pack 2.0)  
23b) M5 (pack 1.0)
- 24 Consignes de sécurité

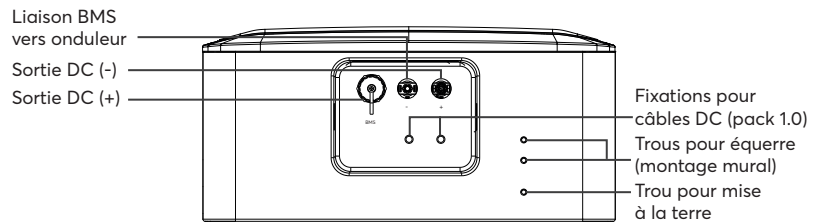
### Vue du côté gauche top pack 2.0



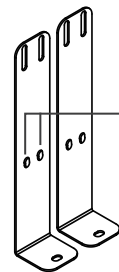
### Vue du côté gauche top pack 1.0



### Vue du côté droit

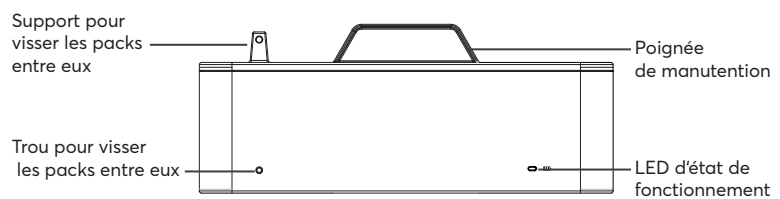
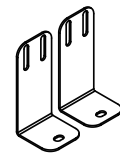


### Équerres de montage top pack 2.0



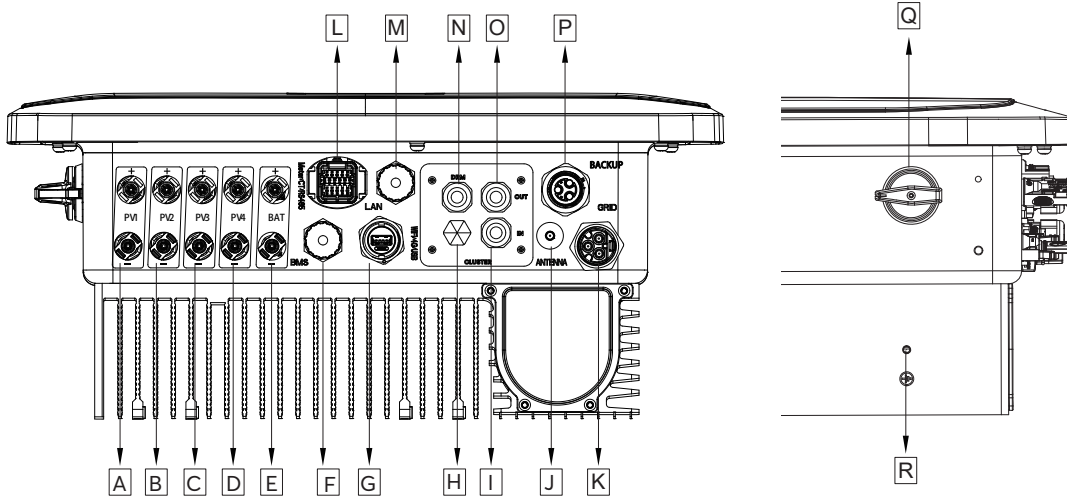
Fixations pour câbles DC (pack 2.0)

### Équerres de montage top pack 1.0

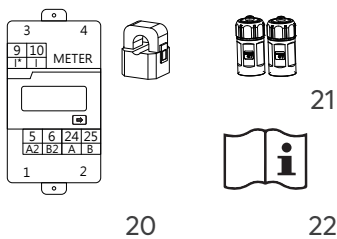
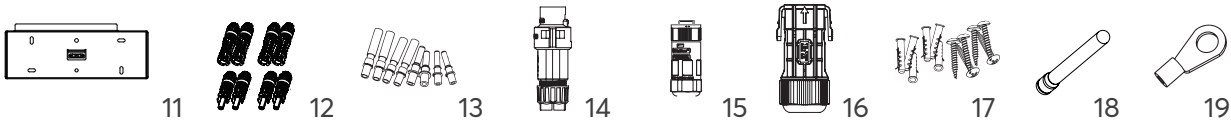


# COMPOSITION DU SYSTÈME ET CONTENU DE LA LIVRAISON

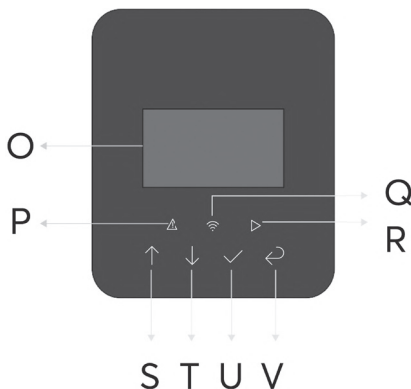
## Inverter vision one 1.0 (7-10 kW)



- A Entrées **PV 1**
- B Entrées **PV 2**
- C Entrées **PV 3**
- D Entrées **PV 4**
- E Connecteurs batteries
- F Liaison **BMS** depuis batteries
- G **WIFI/4G/USB**
- H Bouchon étanche
- I **CLUSTER IN**
- J Antenne **BLUETOOTH/WIFI**
- K Sortie AC **GRID**
- L Port **Meter / CT / RS485**
- M **PORT LAN**
- N Port **DRM**
- O **CLUSTER OUT**
- P Sortie AC **BACKUP**
- Q Interrupteur **DC SWITCH**
- R Mise à la terre



- 11 Support de montage
- 12 Connecteurs PV (MC4 Stäubli)
- 13 Cosses des connecteurs PV
- 14 Connecteur AC GRID
- 15 Connecteur AC BACKUP
- 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

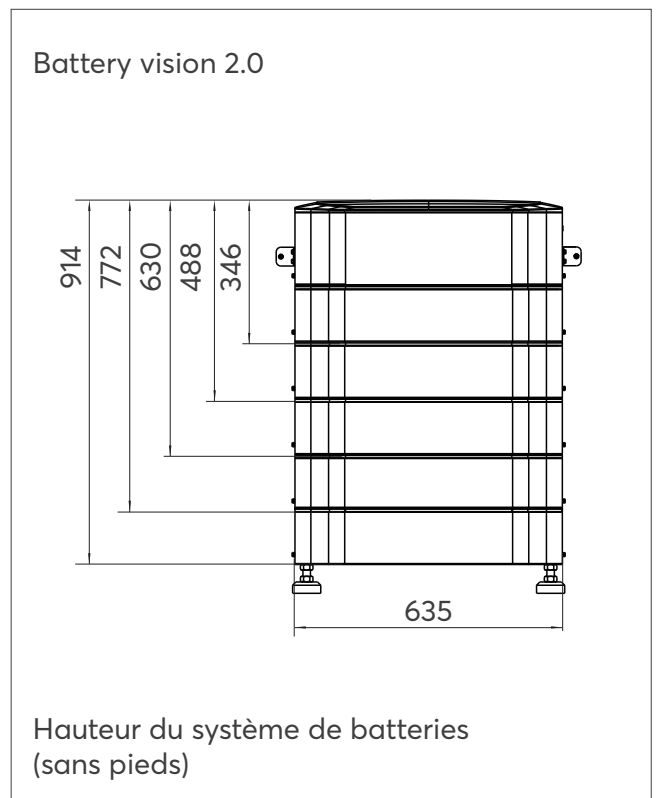
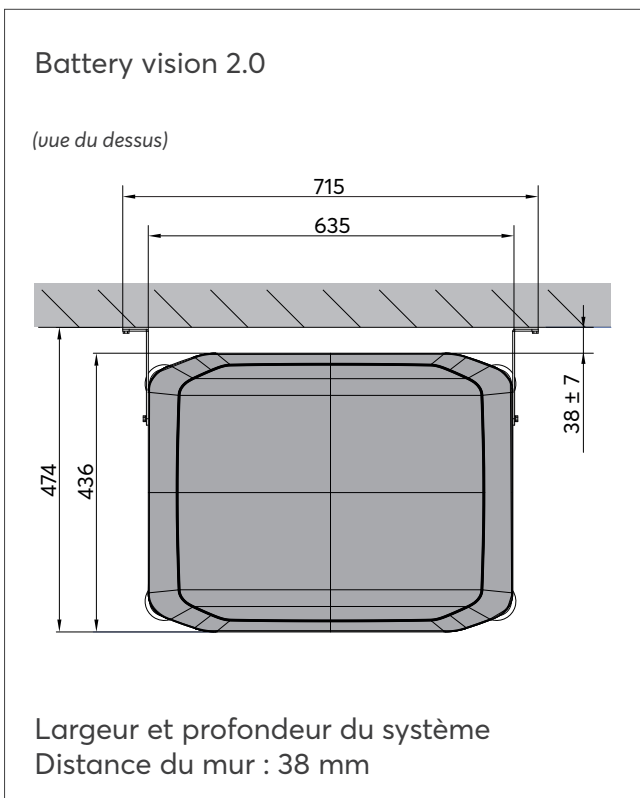
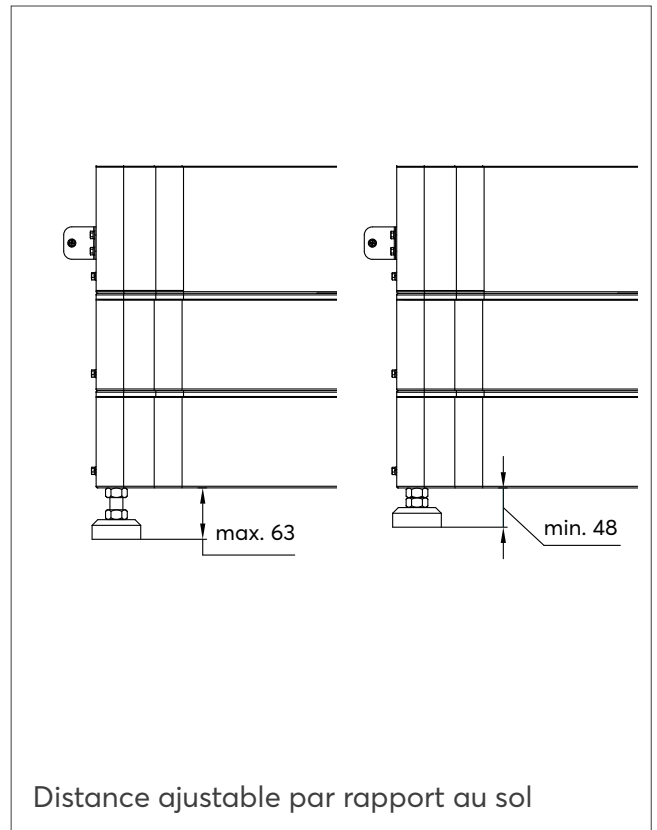
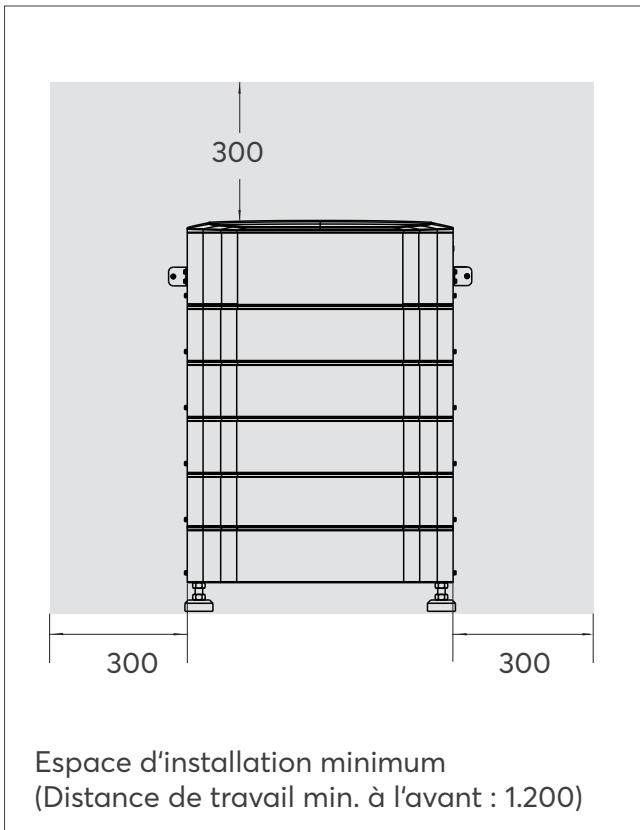


- O Affichage LCD
- P Rouge : défaut
- Q Bleu : activité du WiFi/Ethernet
- R Vert : état opérationnel
- S Monter : augmenter la valeur
- T Descendre : diminuer la valeur
- U Confirmer
- V Retour/sortie

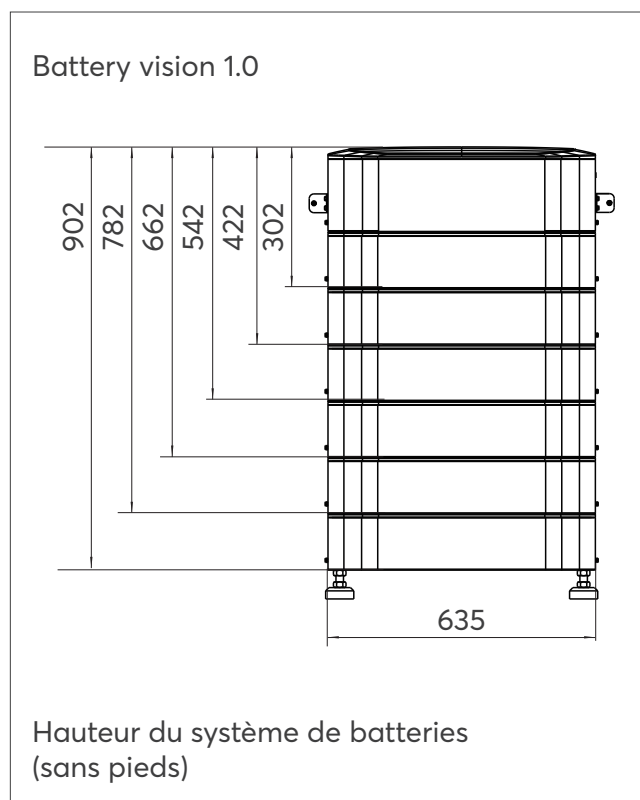
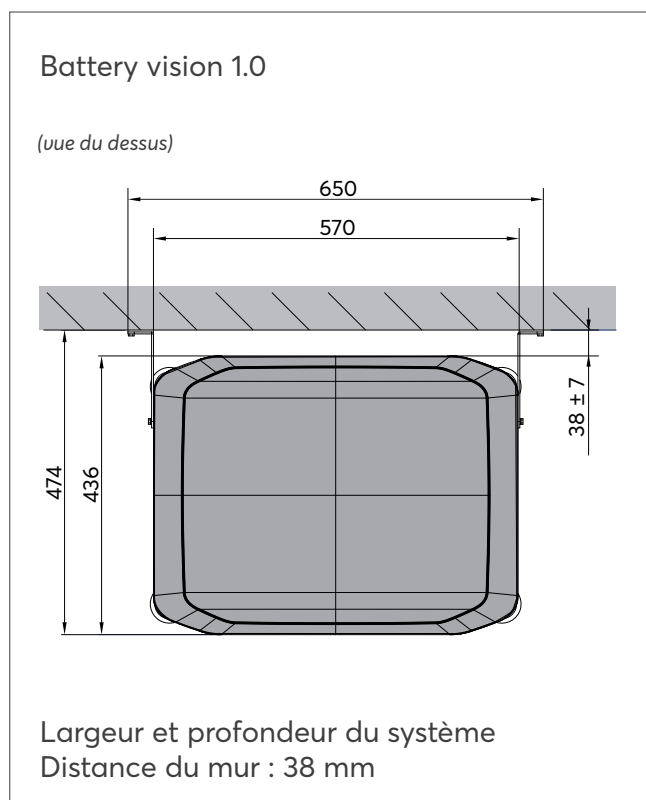
### Équipement supp. requis :

- 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

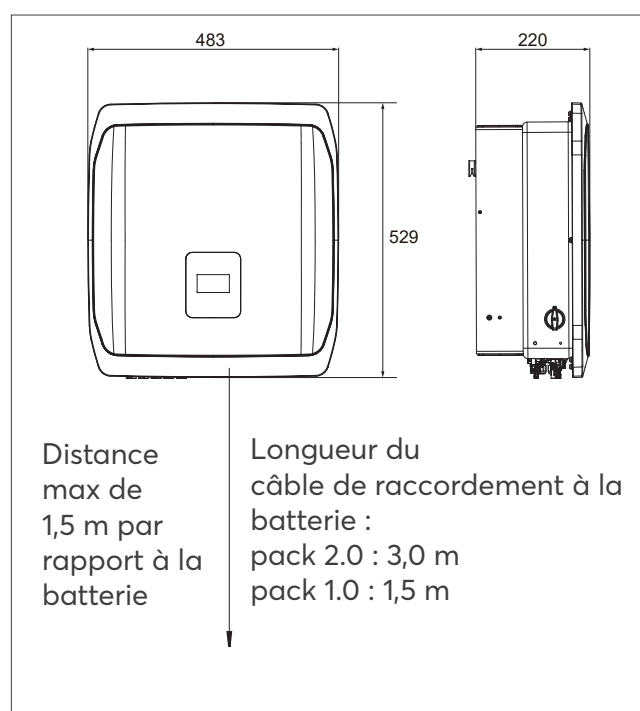
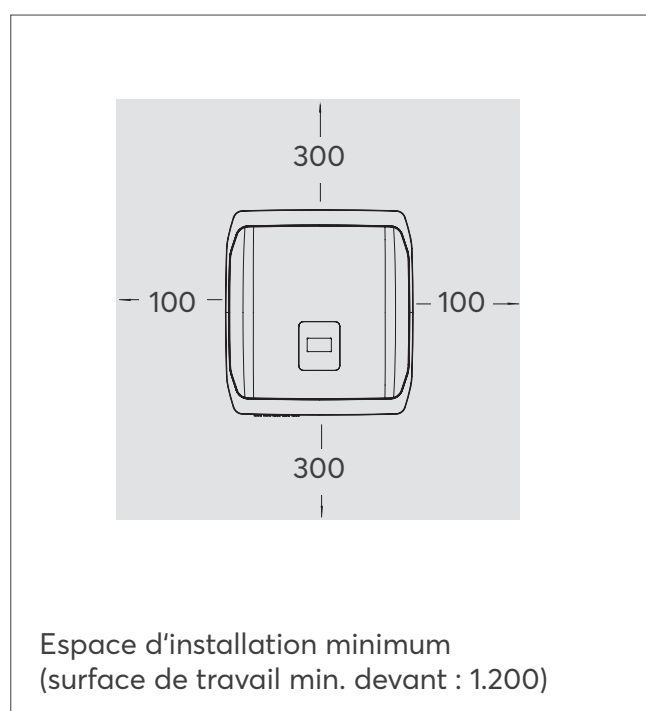
## DIMENSIONS DE LA BATTERY VISION [MM]



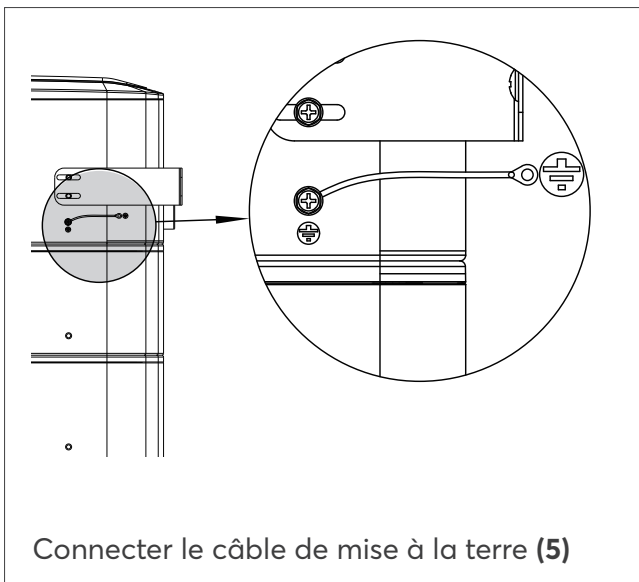
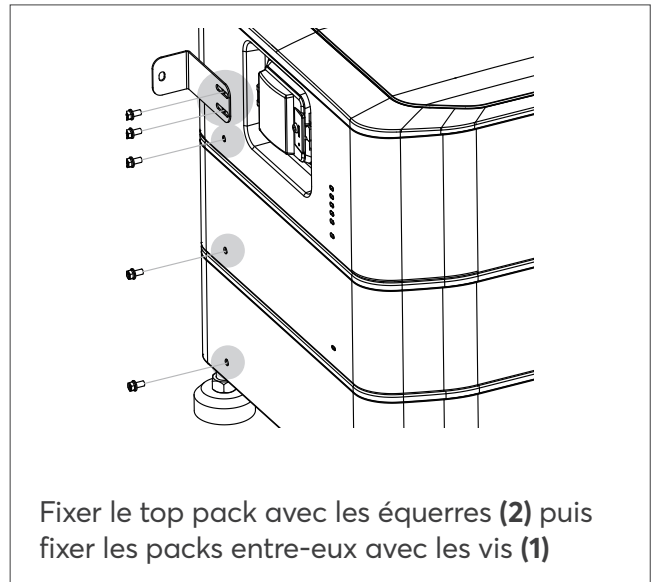
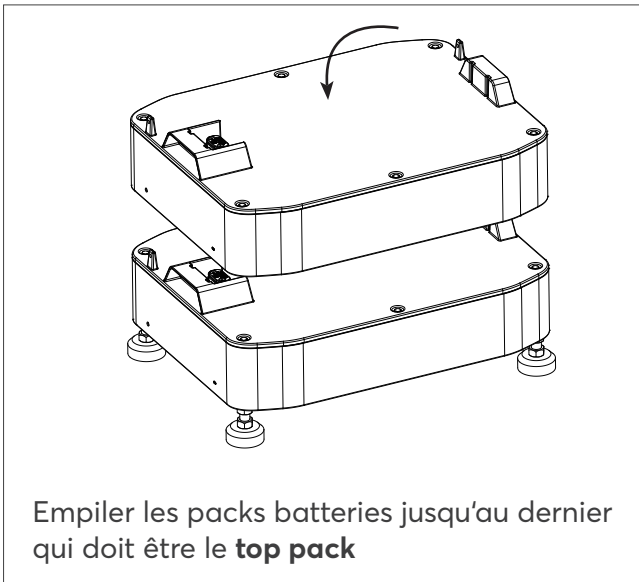
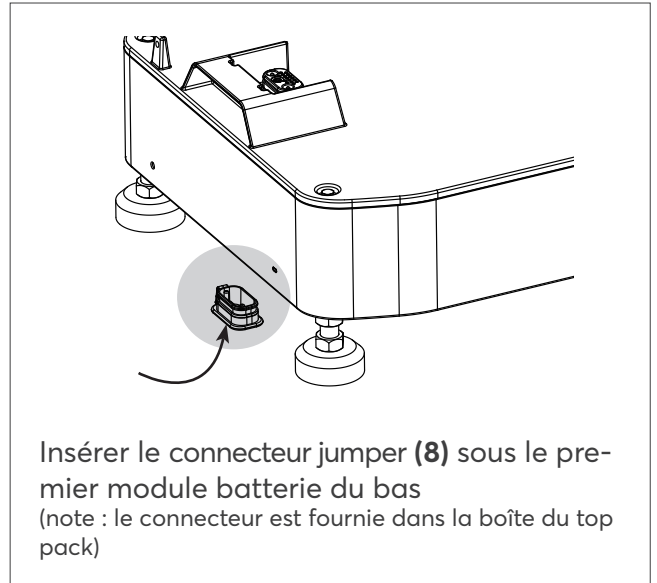
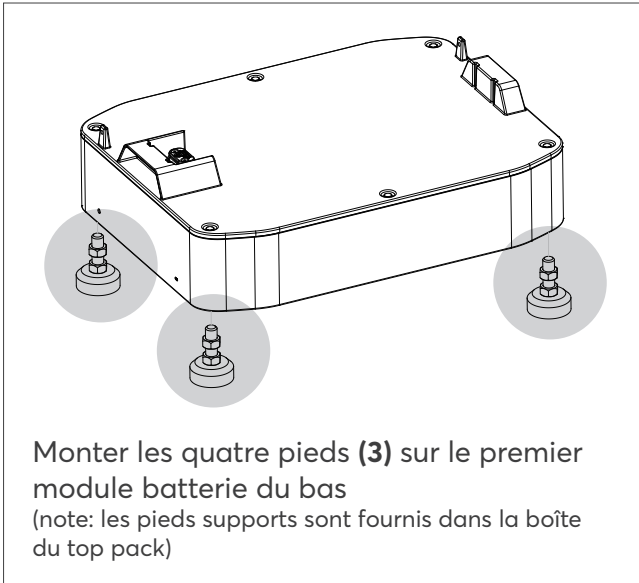
## DIMENSIONS DE LA BATTERY VISION [MM]



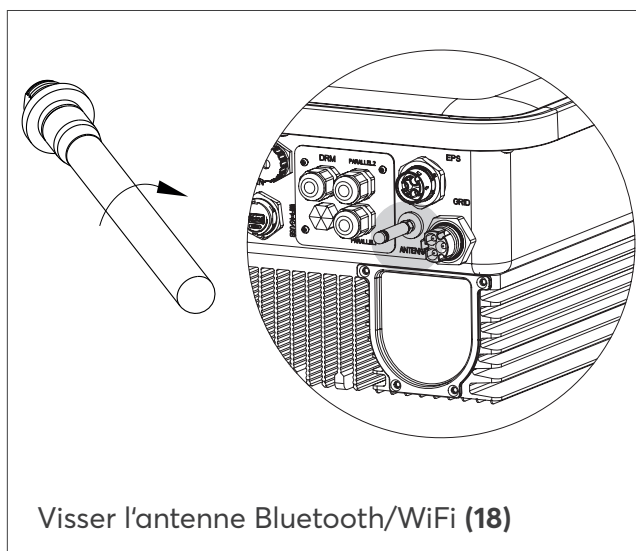
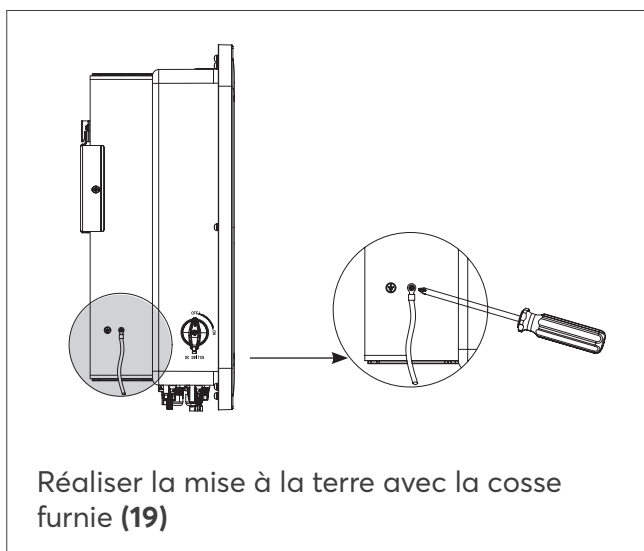
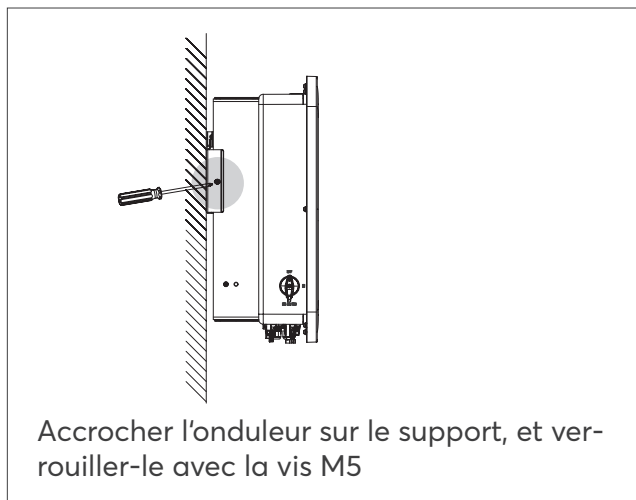
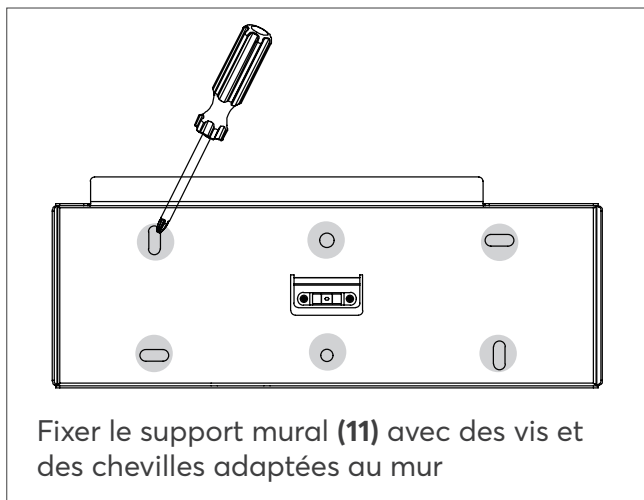
## DIMENSIONS DE L'ONDULEUR INVERTER VISION ONE [MM]



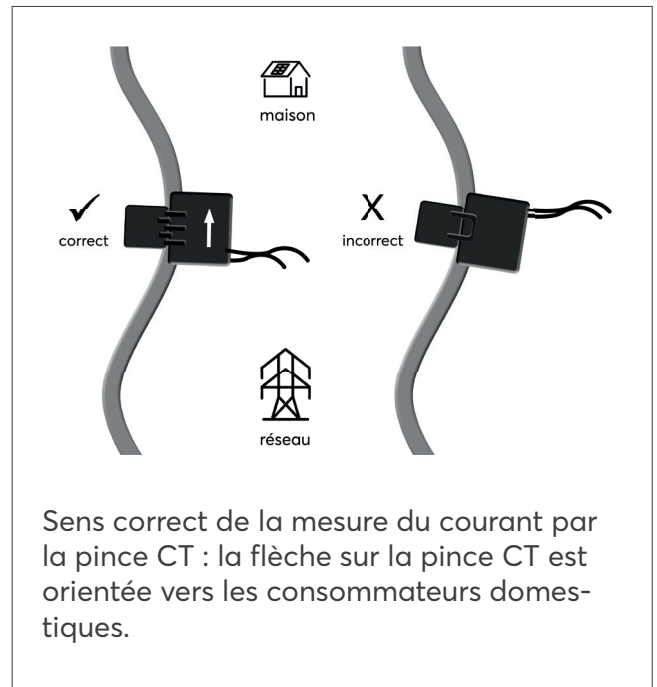
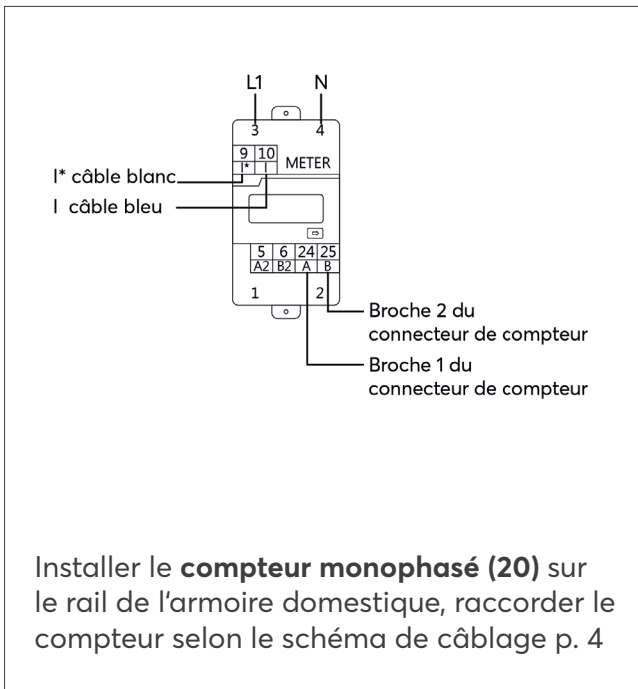
## MONTAGE ET CÂBLAGE DES PACKS BATTERIES



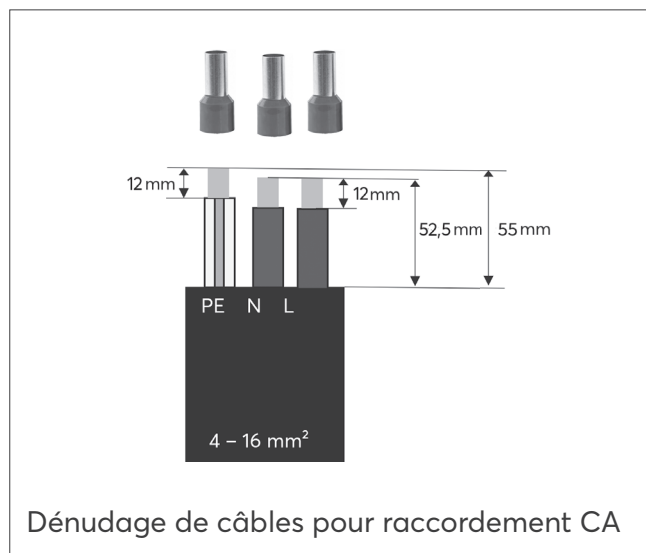
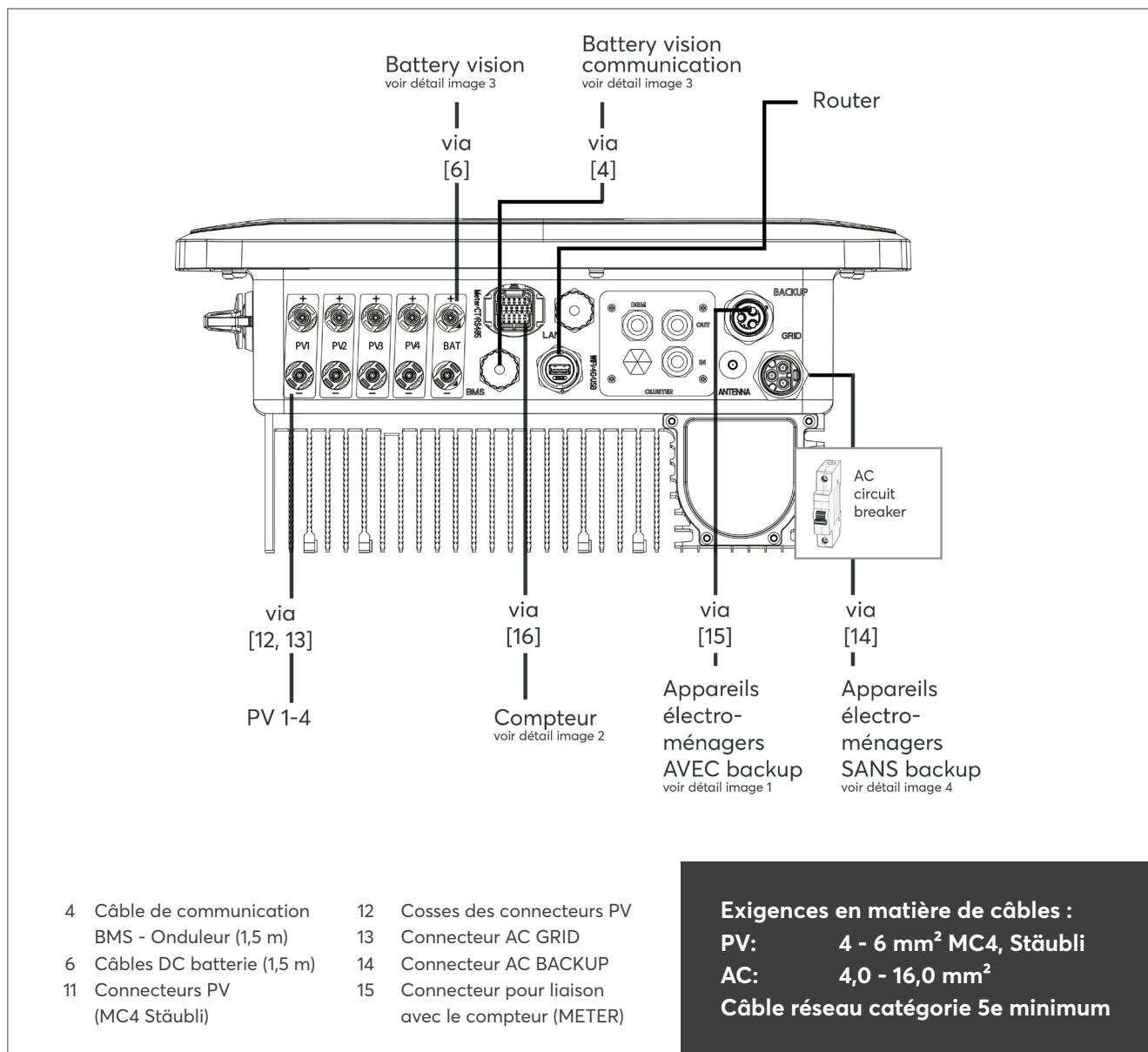
## MONTAGE ET ET CÂBLAGE DE L'ONDULEUR



## MONTAGE ET CÂBLAGE DU COMPTEUR

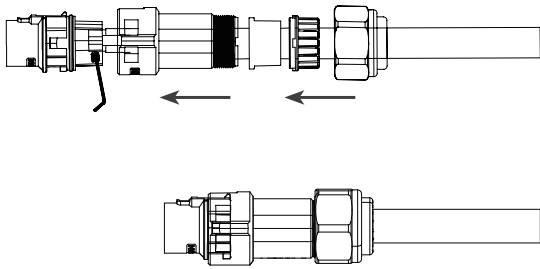


## CÂBLAGE DE L'ONDULEUR



## MONTAGE ET CÂBLAGE DE L'ONDULEUR

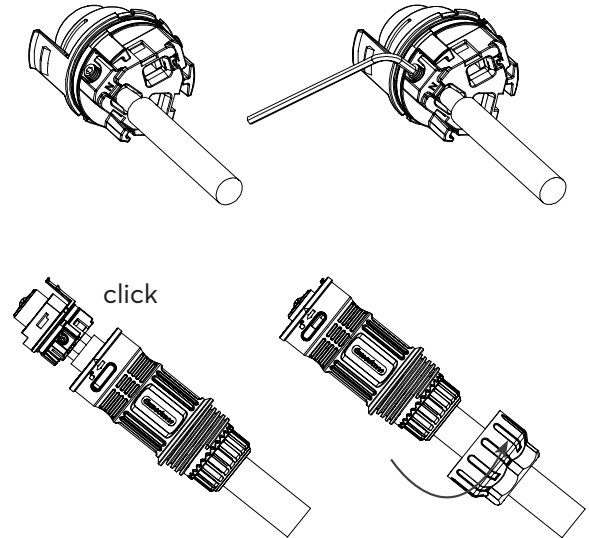
### détail 1



#### AC GRID

- Enfiler l'écrou de câble, puis la douille arrière de la fiche (14) sur le câble
- Insérer les fils dans la fiche et serrer les vis
- Raccorder fermement la fiche

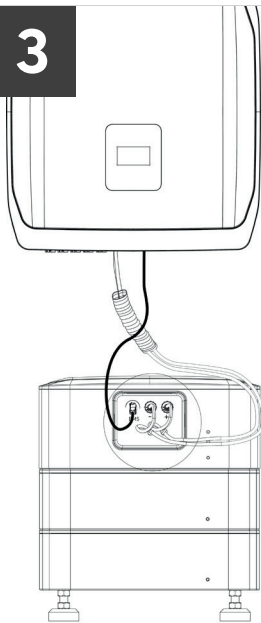
### détail 2



#### AC BACKUP

- Insérer les fils dans la fiche (15) et les fixer à l'aide d'une clé Allen
- Enfoncer le boîtier dans la prise Serrer l'écrou de câble
- Raccorder fermement la fiche

### détail 3

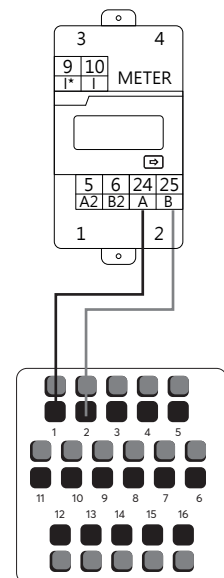


Raccorder la batterie à l'aide des câbles DC batteries (6) et du câble de communication BMS - Onduleur (4)

### détail 4

PIN du compteur	24	25
PIN du connecteur	1	2

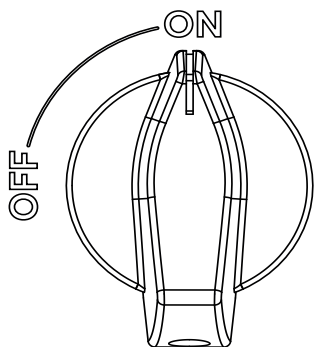
(Vue du côté des connexions)



Raccorder le compteur Chint monophasé à l'aide du connecteur prévu à cet effet (16, 20)

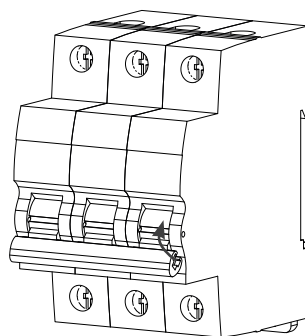
## DÉMARRAGE DU SYSTÈME

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

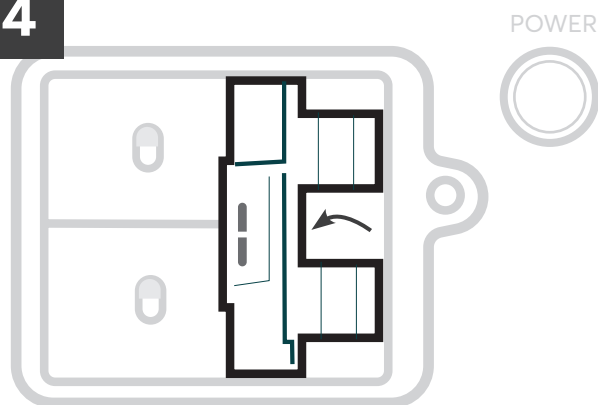


- définir le code réseau pour la sécurité du réseau
- reseau régler l'heure

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

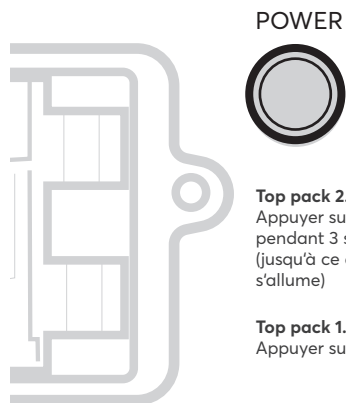
- sélectionner START

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.**

## LIAISON AVEC L'APPLICATION SOLARWATT PRO APP



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  $\varphi$

#### 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

## ARRÊT DU SYSTÈME

1



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

- sélectionner STOP

2



POWER

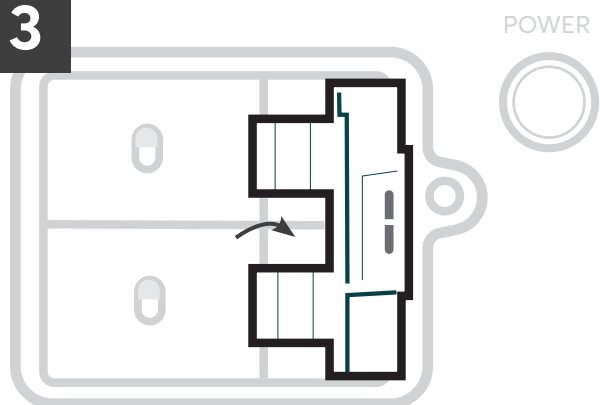


**Top pack 2.0:**  
Appuyer sur le bouton pendant 5 secondes (jusqu'à ce que la LED d'état s'éteigne)

**Top pack 1.0:**  
Appuyer sur l'interrupteur

Appuyer sur le bouton POWER (top pack)

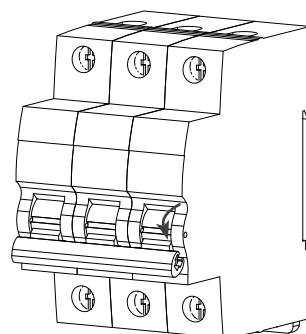
3



POWER

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

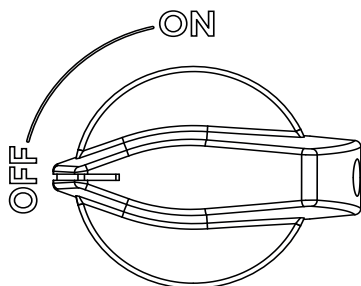
4



Éteindre

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

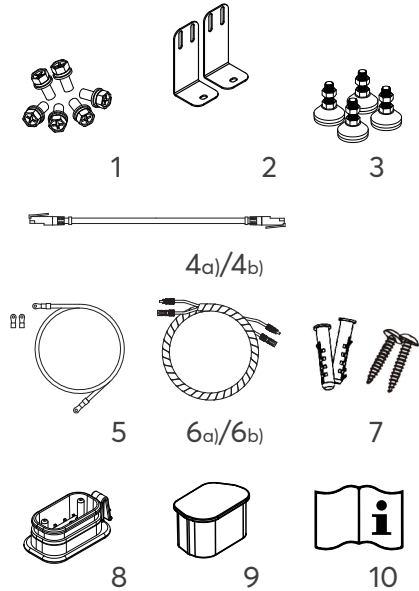
5



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

Battery vision packs

Liste di imballaggio top pack



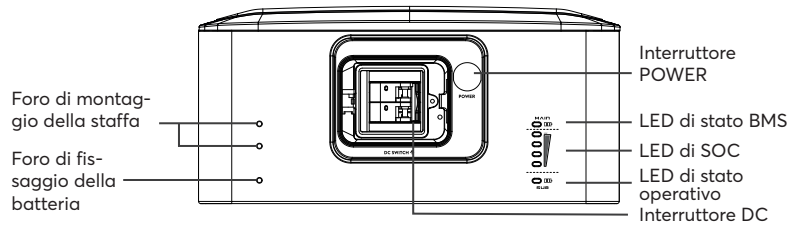
- 1 Viti di montaggio  
2 per i pack e 2 per la staffa di fissaggio
- 1a) M6 (top pack 2.0)
- 1b) M5 (top pack 1.0)
- 2 Staffa di fissaggio
- 3 Piedini di appoggio
- 4 Cavo di com., BMS - Inverter
- 4a) 3,0 m (pack 2.0)
- 4b) 1,5 m (pack 1.0)
- 5 Cavo di messa a terra  
(con 2 capicorda aggiuntivi)
- 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

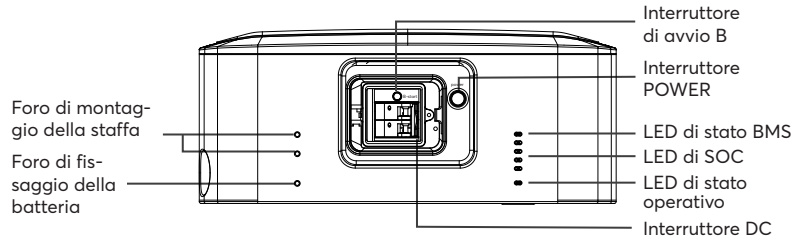


- 23 Viti di fissaggio per i pack
- 23a) M6 (pack 2.0)
- 23b) M5 (pack 1.0)
- 24 Istruzioni di sicurezza

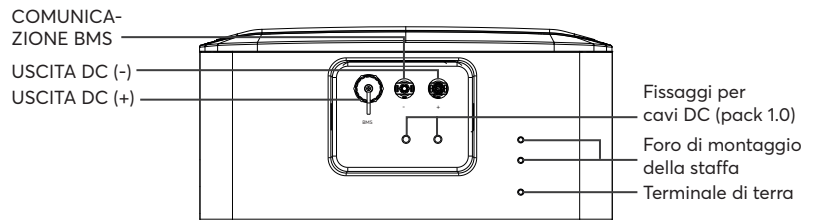
Vista dal lato sinistro top pack 2.0



Vista dal lato sinistro top pack 1.0

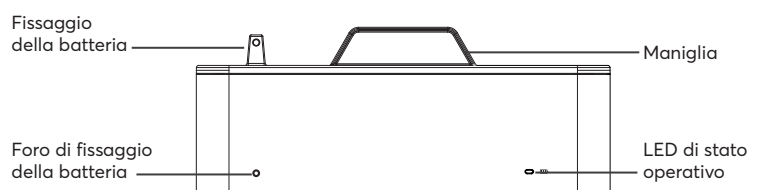
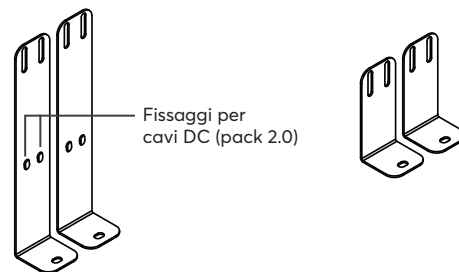


Vista dal lato destro



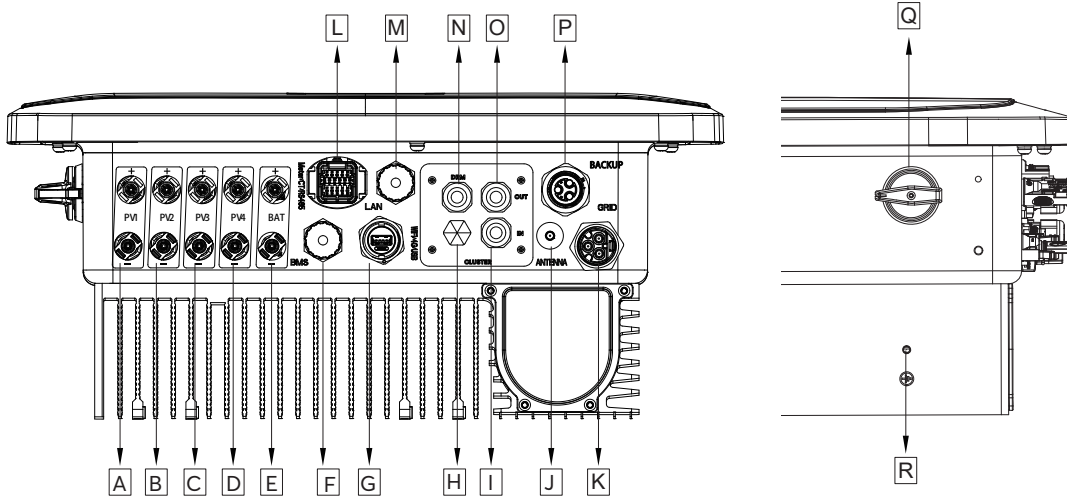
Staffa di fissaggio top pack 2.0

Staffa di fissaggio top pack 1.0

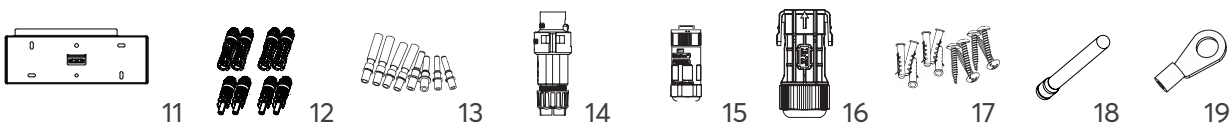


# DESIGN DEL DISPOSITIVO E LISTE DI IMBALLAGGIO

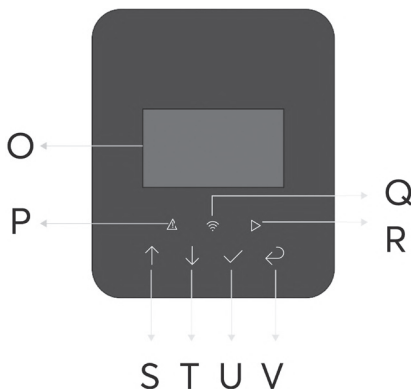
## Inverter vision one 1.0 (7-10 kW)



- |                        |                          |                          |
|------------------------|--------------------------|--------------------------|
| A FV 1                 | G WIFI/4G/USB            | M LAN                    |
| B FV 2                 | H VALVOLA DI BOLCCO      | N DRM                    |
| C FV 3                 | I CLUSTER IN             | O CLUSTER OUT            |
| D FV 4                 | J ANTENNA                | P BACKUP                 |
| E CONNESSIONE BATTERIA | K RETE ELETTRICA AC      | Q INTERRUTTORE DC SWITCH |
| F BMS                  | L CONTATORE / TA / RS485 | R TERRA                  |



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

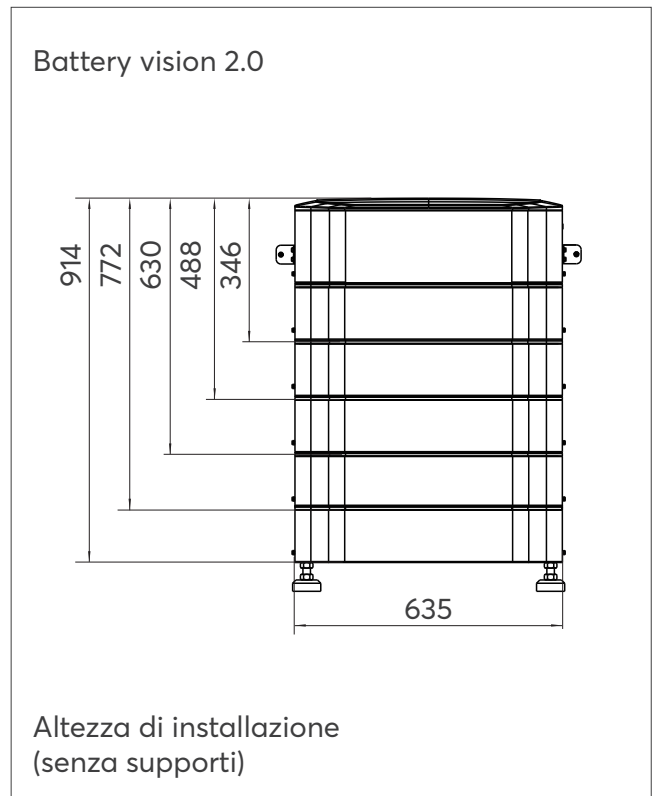
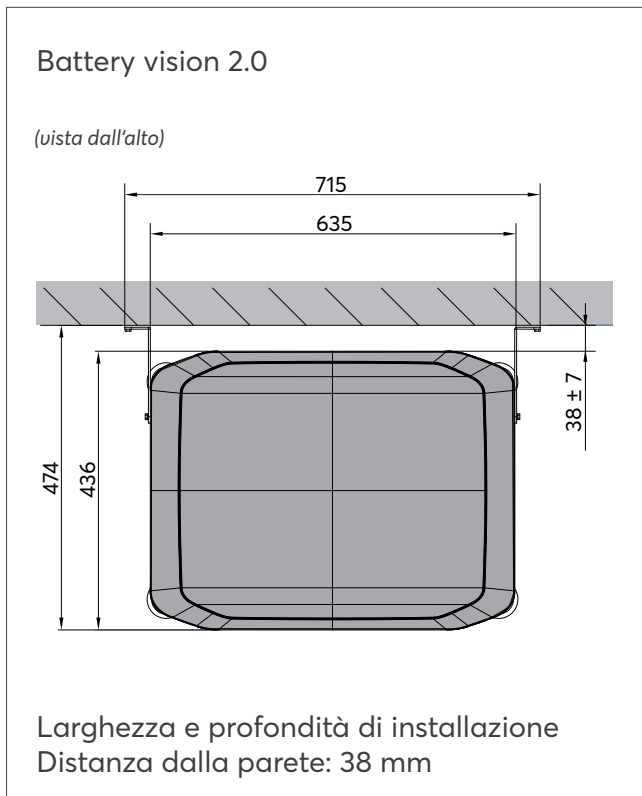
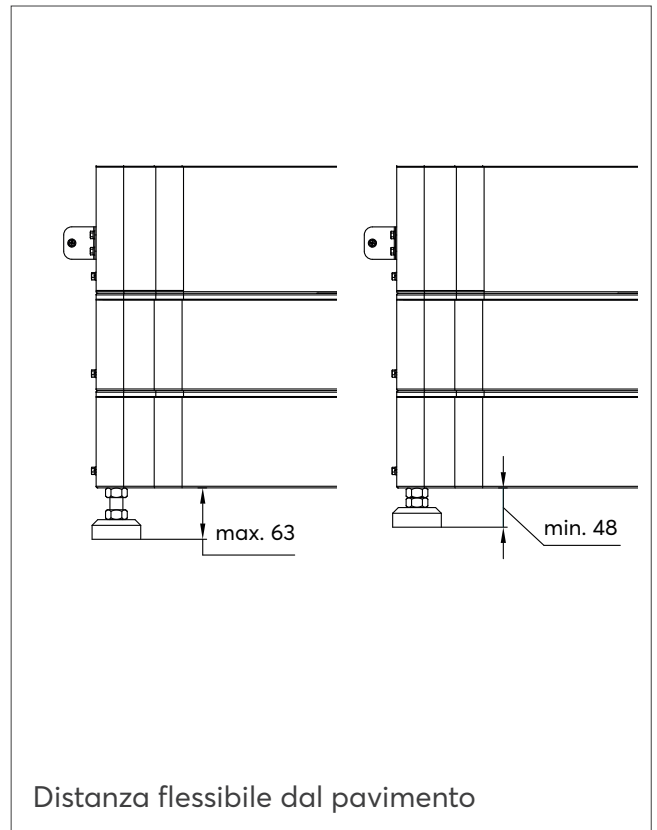
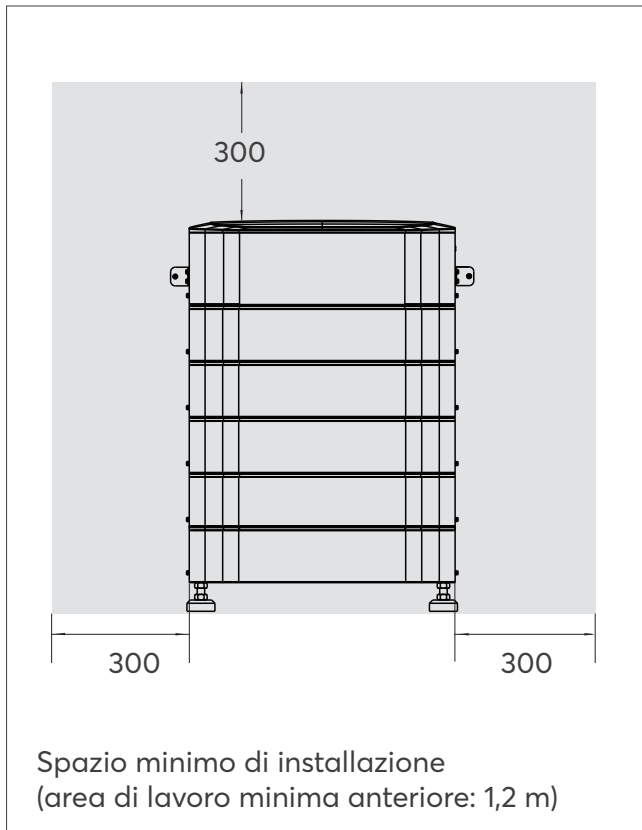


- O Schermo LCD (visualizza le informazioni dell'inverter)
- LED di stato:**
- P Rosso: segnalazione guasto
- Q Blu: attività WiFi/Ethernet
- R Verde: stato di normale funzionamento
- Pulsanti funzione:**
- S SU: sposta il cursore verso l'alto o aumenta il valore
- T GIU: sposta il cursore verso il basso o diminuisci il valore
- U OK: conferma la selezione
- V Ritorno: ritorna all'operatività precedente/uscita

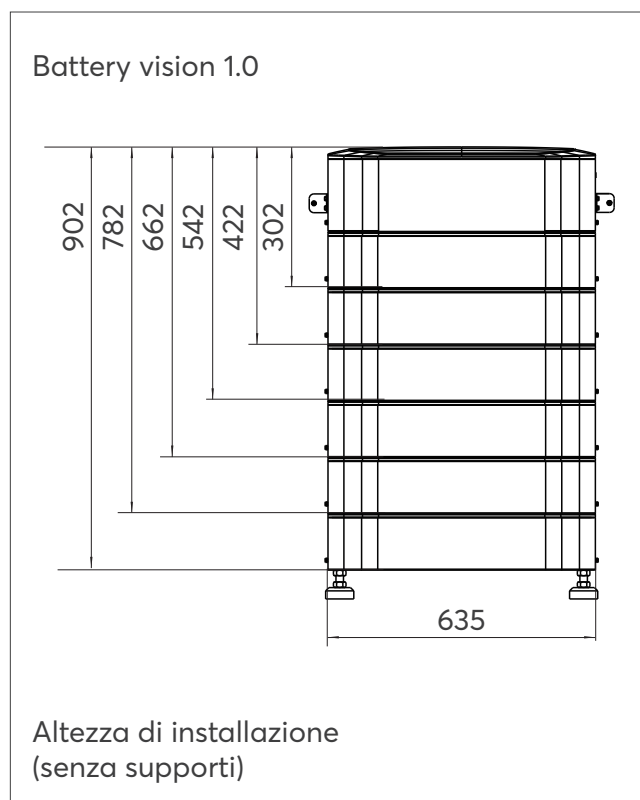
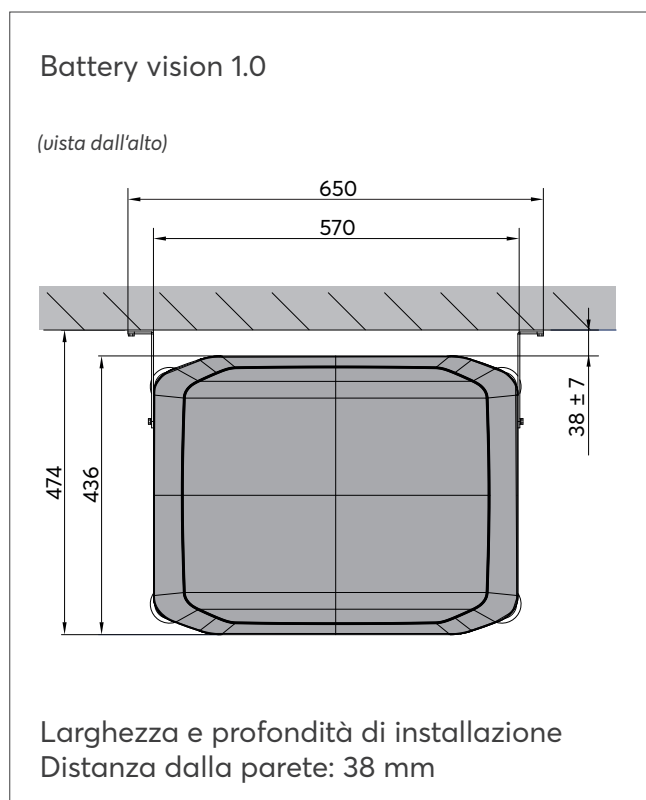
### È necessario un equipaggiamento aggiuntivo:

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

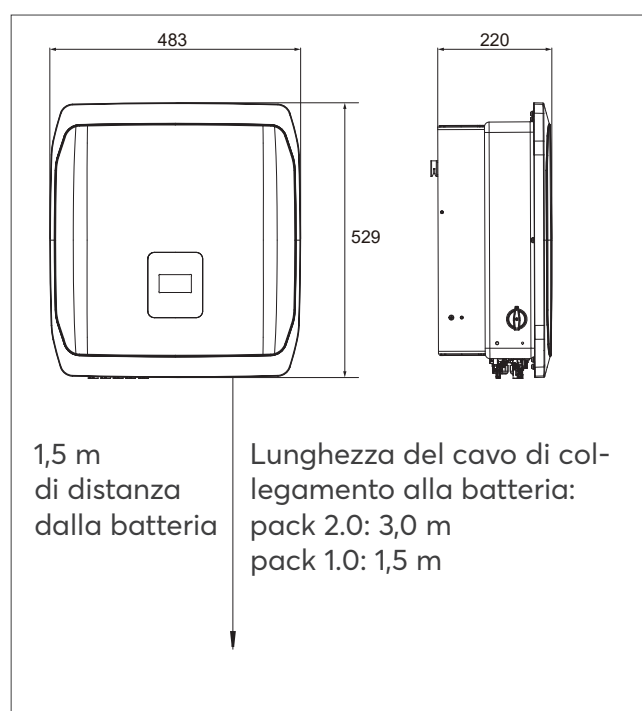
## DIMENSIONI BATTERY VISION [MM]



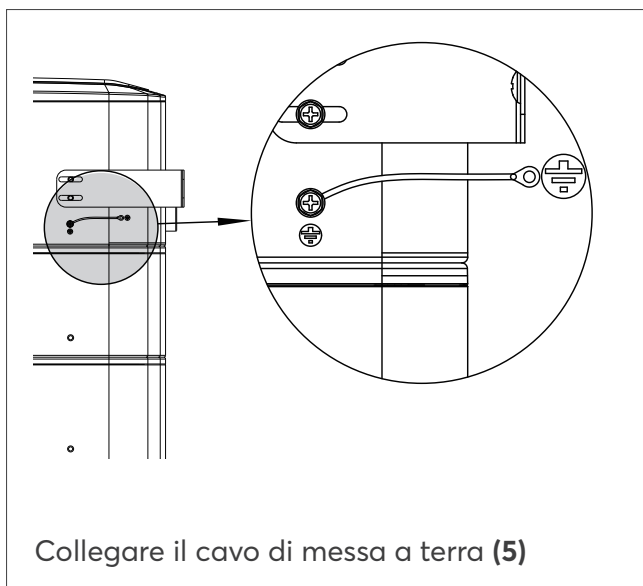
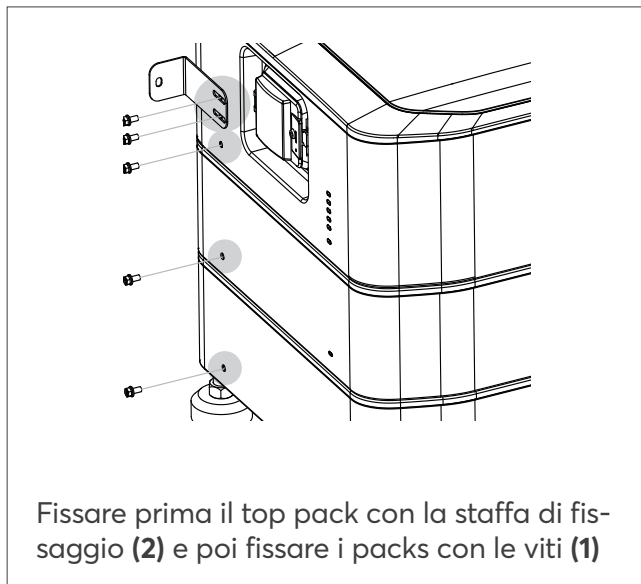
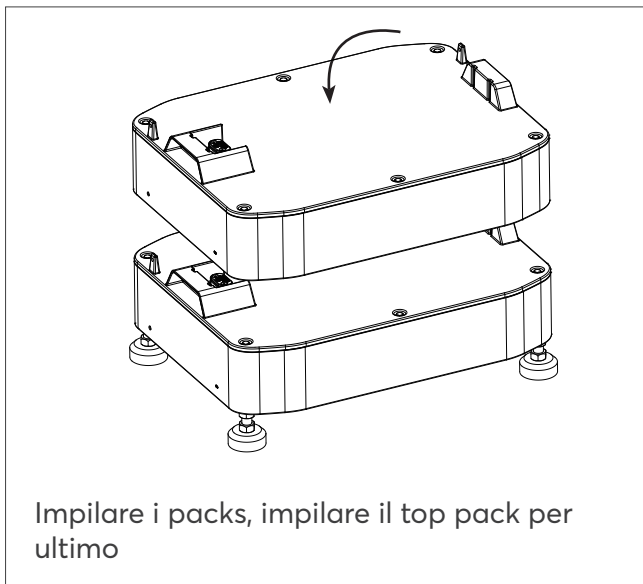
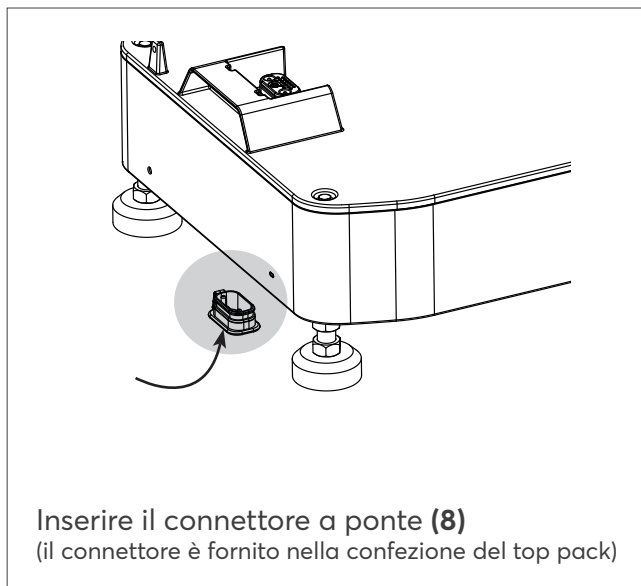
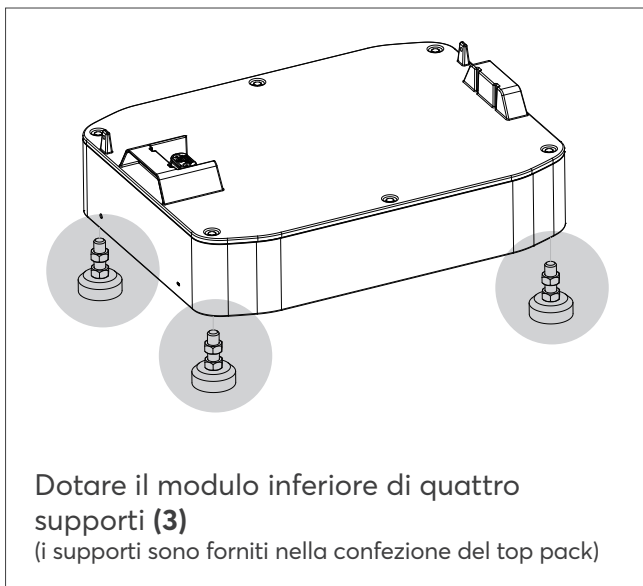
## DIMENSIONI BATTERY VISION [MM]



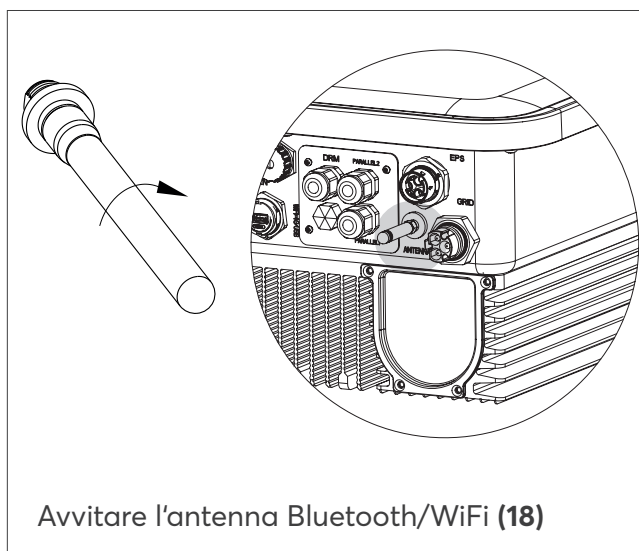
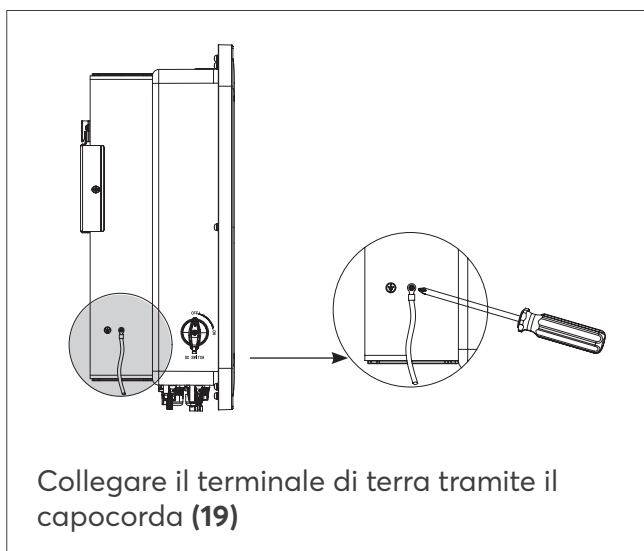
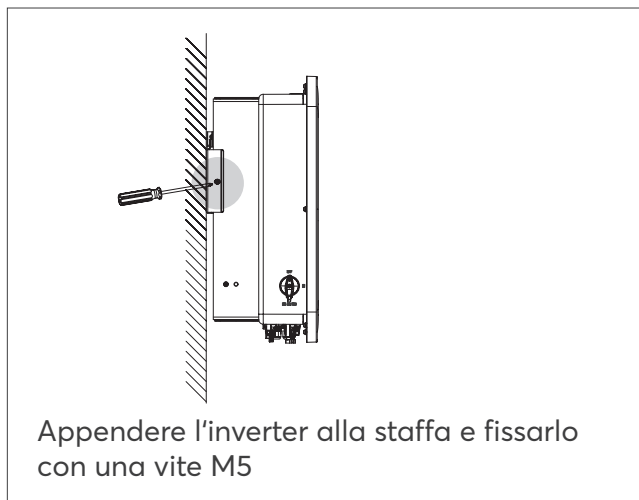
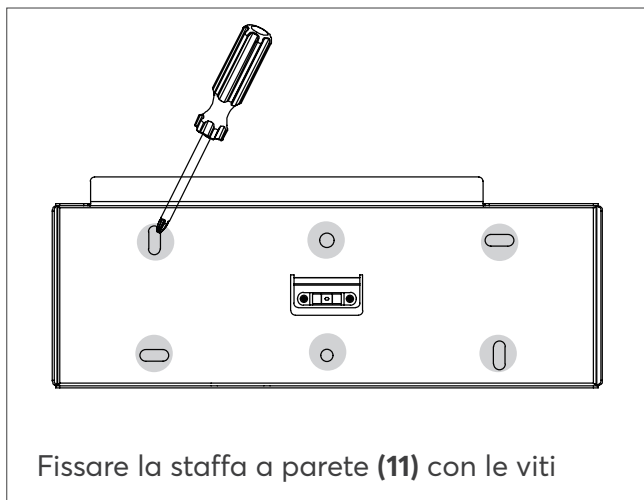
## DIMENSIONI INVERTER VISION ONE [mm]



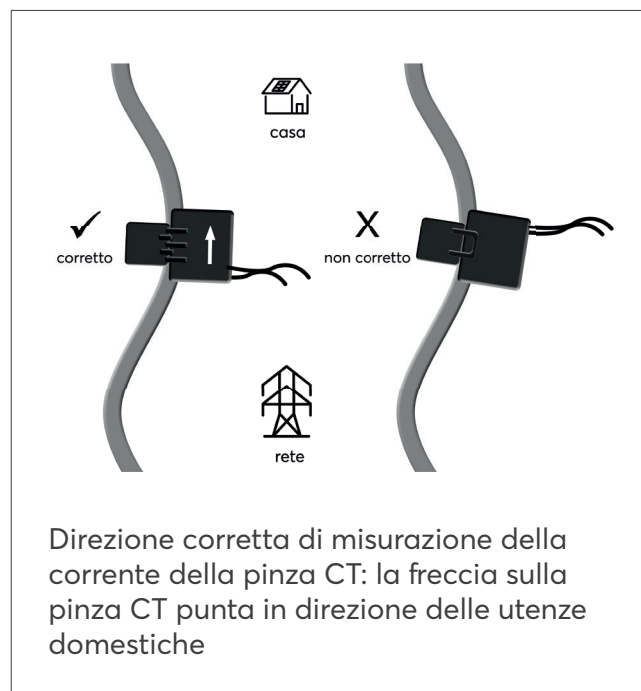
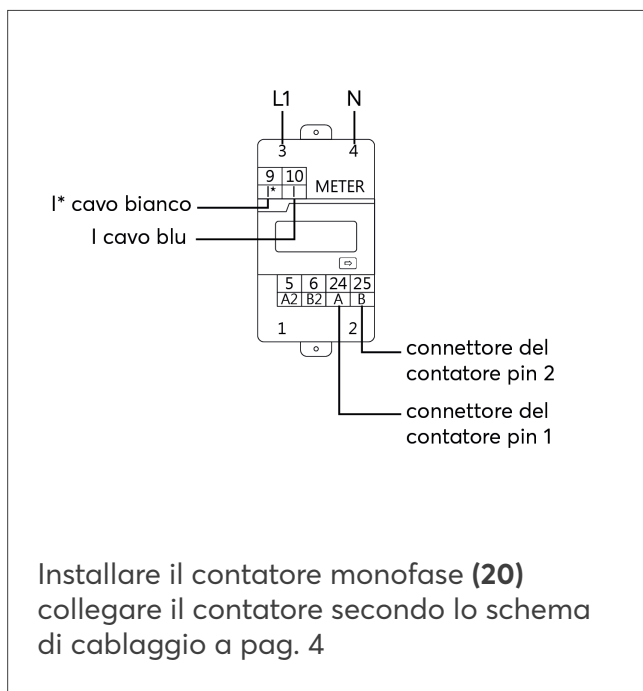
## BATTERY PACKS MONTAGGIO E CABLAGGIO



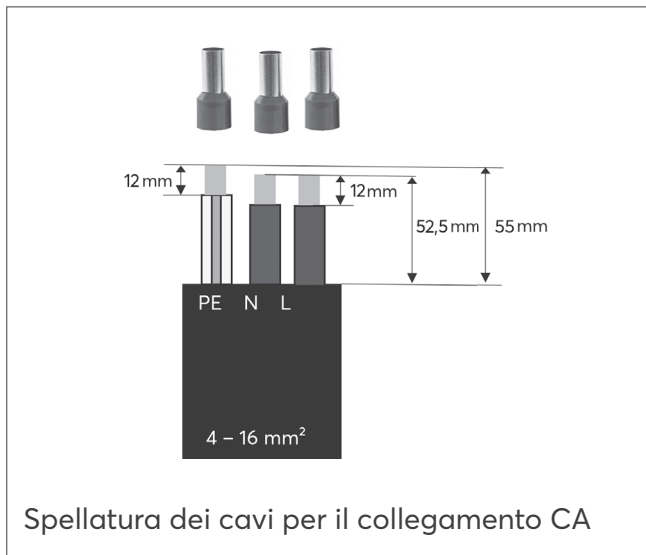
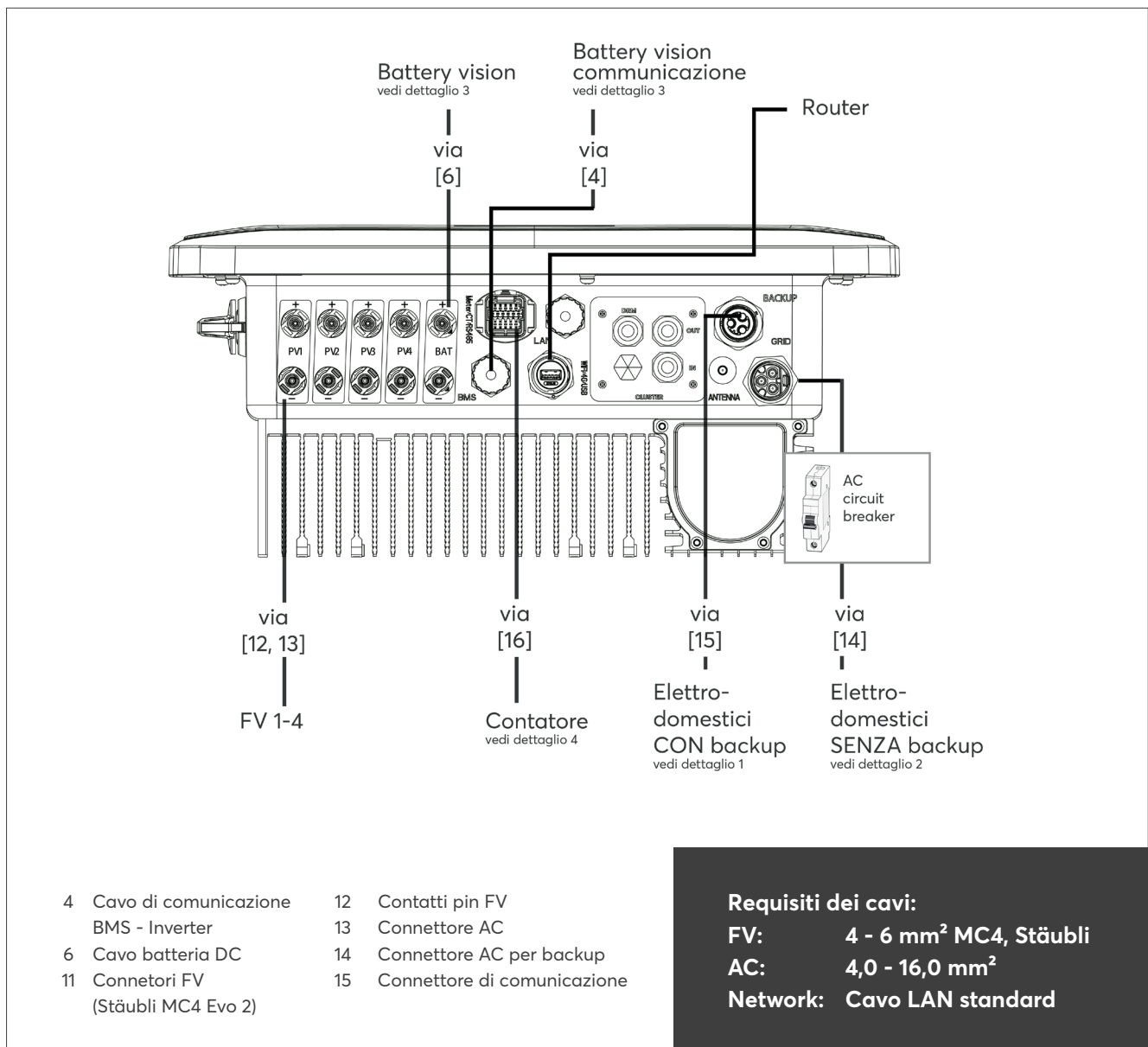
## INVERTER MONTAGGIO E CABLAGGIO



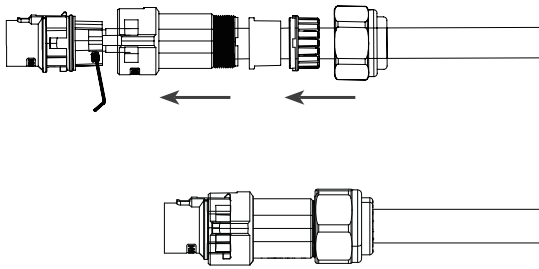
## CONTATORE MONTAGGIO E CABLAGGIO



# CABLAGGIO DELL'INVERTER



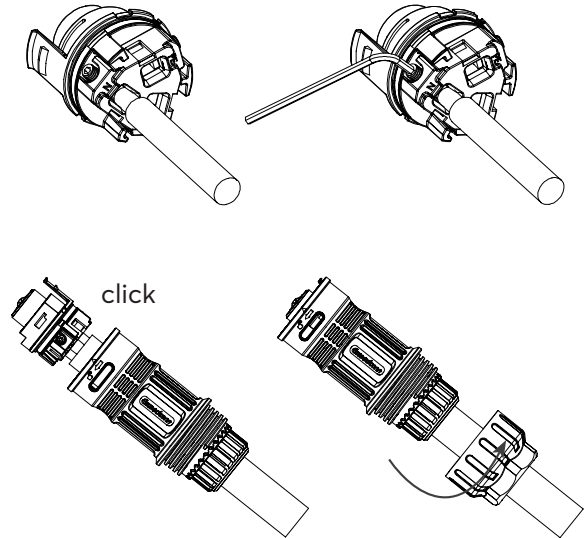
## dettaglio 1



### AC GRID

- Infilare il dado del cavo e poi il manico posteriore del connettore (14) sul cavo
- Inserire i fili nel connettore e serrare le viti
- Collegare saldamente il connettore

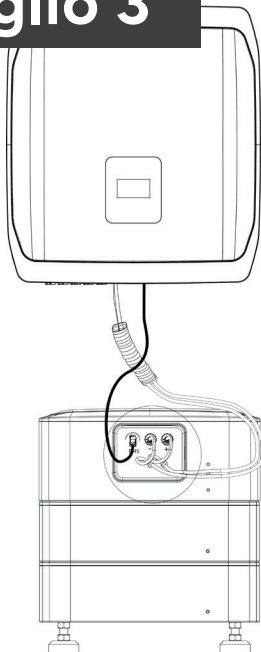
## dettaglio 2



### AC BACKUP

- Inserire i fili nel connettore (15) e fissarli con una chiave a brugola
- Premere l'alloggiamento nella presa
- Serrare il dado del cavo
- Collegare saldamente il connettore

## dettaglio 3



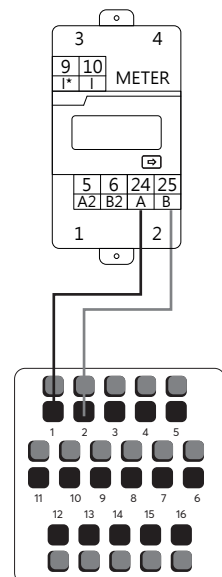
Collegare la batteria (6, 4)

## dettaglio 4

PIN del contatore	24	25
-------------------	----	----

PIN adattatore	1	2
----------------	---	---

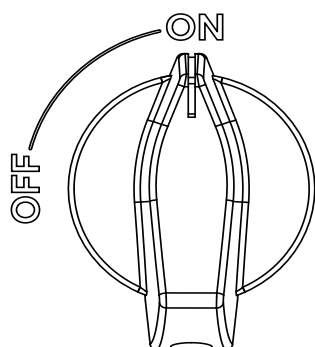
(Vista dal lato delle connessioni)



Collegare il contatore monofase (16, 20)

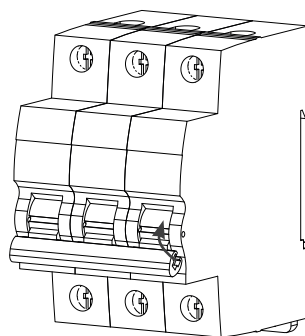
## AVVIO DEL SISTEMA

1



Accendere l'interruttore DC dell'inverter

2



Accendere

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

3

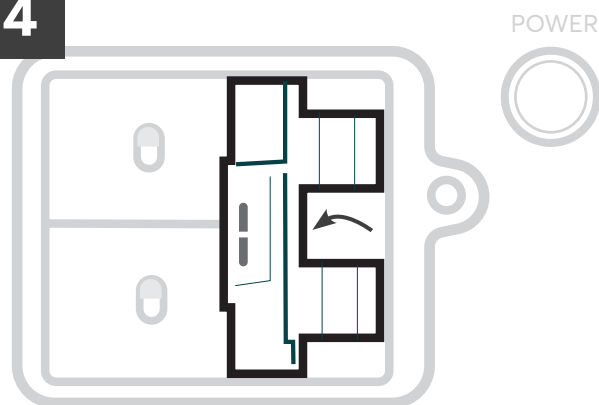


- impostare il codice della rete per la sicurezza della rete
- impostare l'ora

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

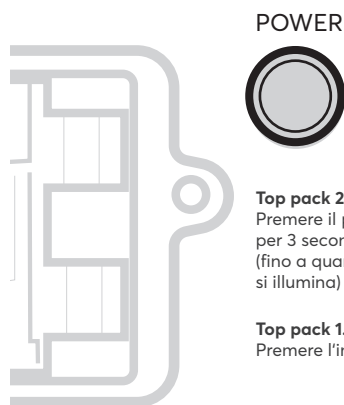
- selezionare START

4



Accendere l'interruttore DC della batteria (top pack)

5



POWER



**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.**

## CONNESSIONE CON L'APP SOLARWATT PRO APP



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

### Funzioni di messa in servizio della SOLARWATT Pro app:

#### Inverter vision

- Rendere il dispositivo collegabile via WiFi
- Autotest CEI 0-21 (Italia)
- Impostazione Cos  $\varphi$

#### Charger vision

- Rendere il dispositivo collegabile via WiFi
- Autorizzazione RFID
- Impostazione della corrente di carica massima (A)
- Impostazione della gestione del carico (in preparazione)

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

## SPEGNIMENTO DEL SISTEMA

1



Premere il pulsante di conferma dell'interfaccia per  per 3 secondi.

- selezionare STOP

2



POWER

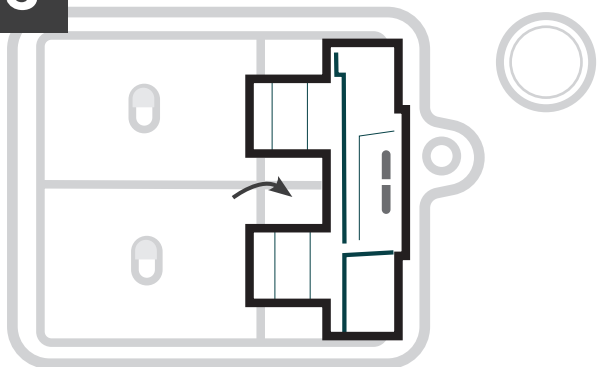


**Top pack 2.0:**  
Premere il pulsante per 5 secondi (fino a quando il LED di stato non si spegne)

**Top pack 1.0:**  
Premere l'interruttore

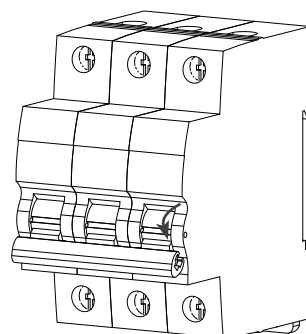
Premere il pulsante POWER (top pack)

3



Spegnere l'interruttore CC della batteria (top pack)

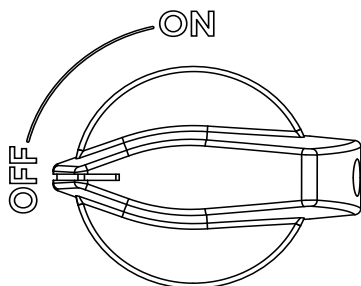
4



Spegnere

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

5

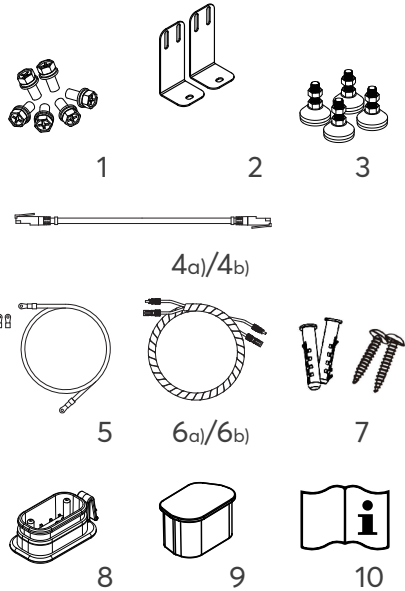


Disattivare l'interruttore CC dell'inverter

# TEKENINGEN EN PAKLIJSTEN VAN HET APPARAAT

## Battery vision packs

### Paklijsten top pack



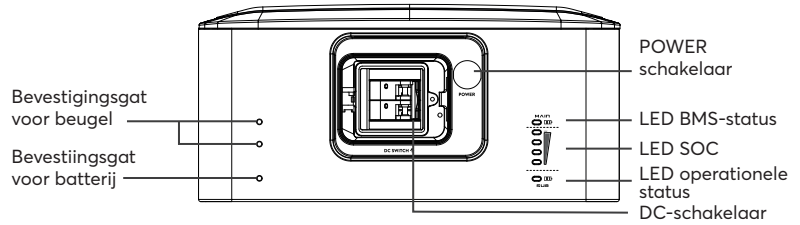
- 1 Schroeven  
2 voor pack bevestiging en 2 voor beugel bevestiging
- 1a) M6 (top pack 2.0)
- 1b) M5 (top pack 1.0)
- 2 Bevestigingsbeugels
- 3 Voetsteunen
- 4 Comm.kabel, BMS - Inverter
- 4a) 3,0 m (pack 2.0)
- 4b) 1,5 m (pack 1.0)
- 5 Aardingskabel  
(met 2 extra kabelschoenen)
- 6 DC kabel batterij
- 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

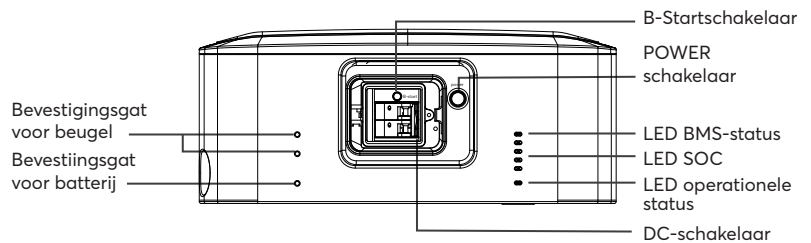


- 23 Schroeven voor pack bevestiging
- 23a) M6 (pack 2.0)
- 23b) M5 (pack 1.0)
- 24 Veiligheidsinstructies

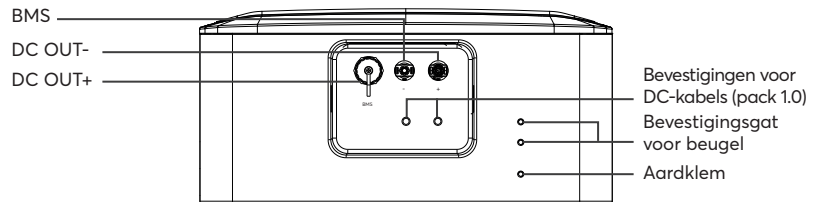
### Linkeraanzicht top pack 2.0



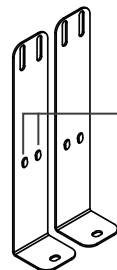
### Linkeraanzicht top pack 1.0



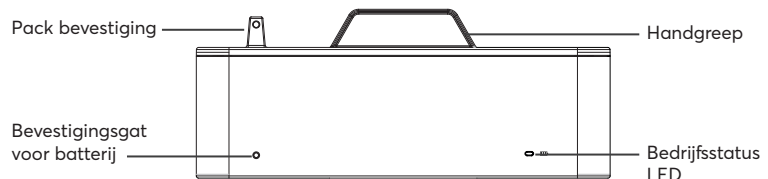
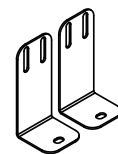
### Rechteraanzicht



### Bevestigingsbeugels top pack 2.0

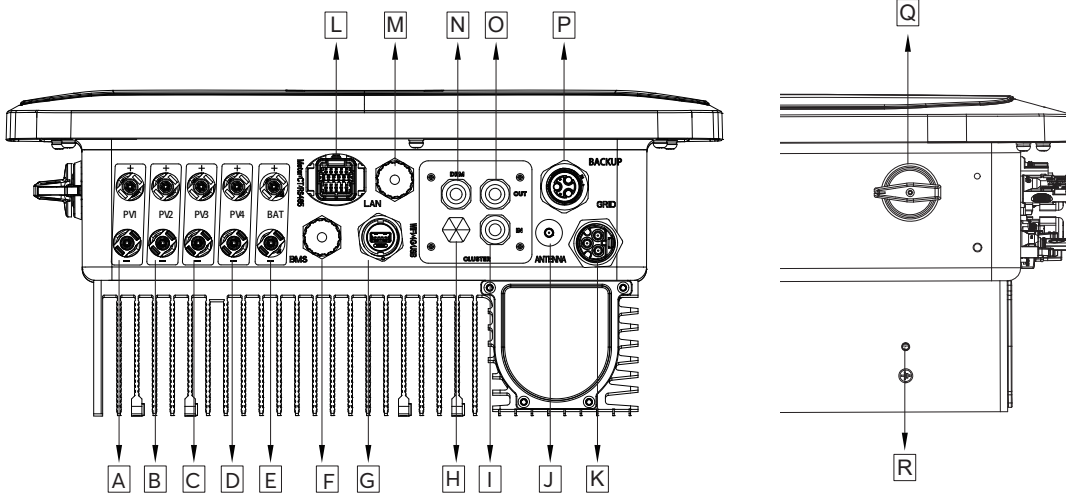


### Bevestigingsbeugels top pack 1.0

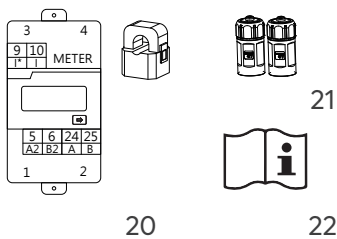
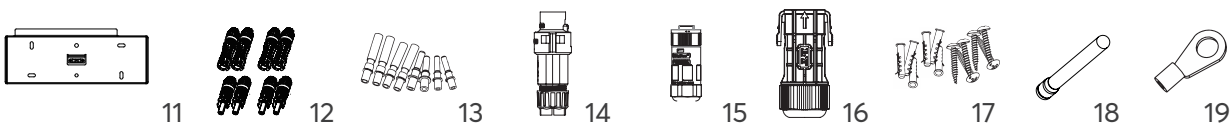


# TEKENINGEN EN PAKLIJSTEN VAN HET APPARAAT

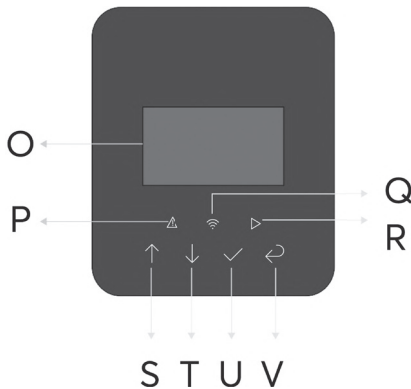
## Inverter vision one 1.0 (7-10 kW)



- |                     |                           |                 |
|---------------------|---------------------------|-----------------|
| A PV 1              | G WIFI/4G/USB             | M LAN           |
| B PV 2              | H WATERDICHTE AFSLUITKLEP | N DRM           |
| C PV 3              | I CLUSTER IN              | O CLUSTER OUT   |
| D PV 4              | J ANTENNE                 | P BACKUP        |
| E BATTERIJCONNECTOR | K GRID                    | Q DC SCHAKELAAR |
| F BMS               | L METER/CT/RS485          | R AARDING       |



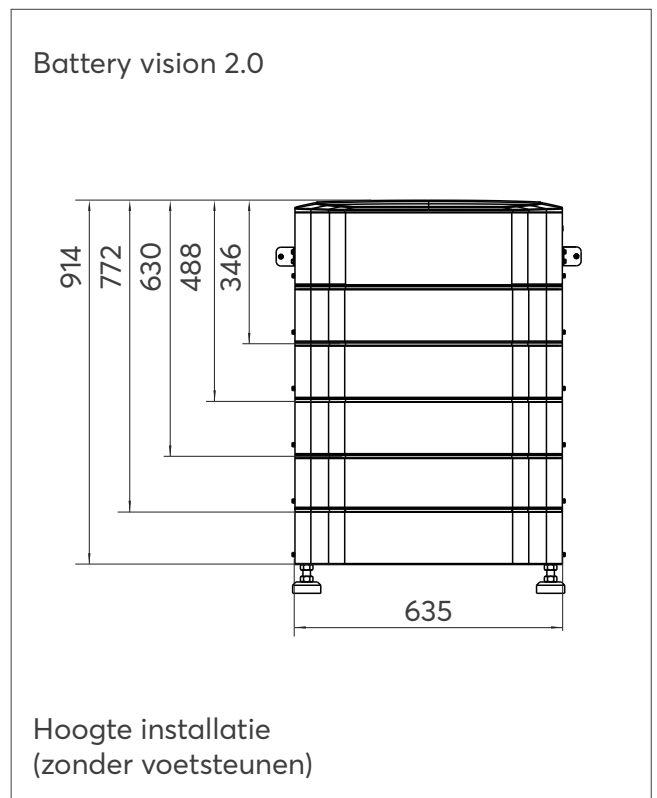
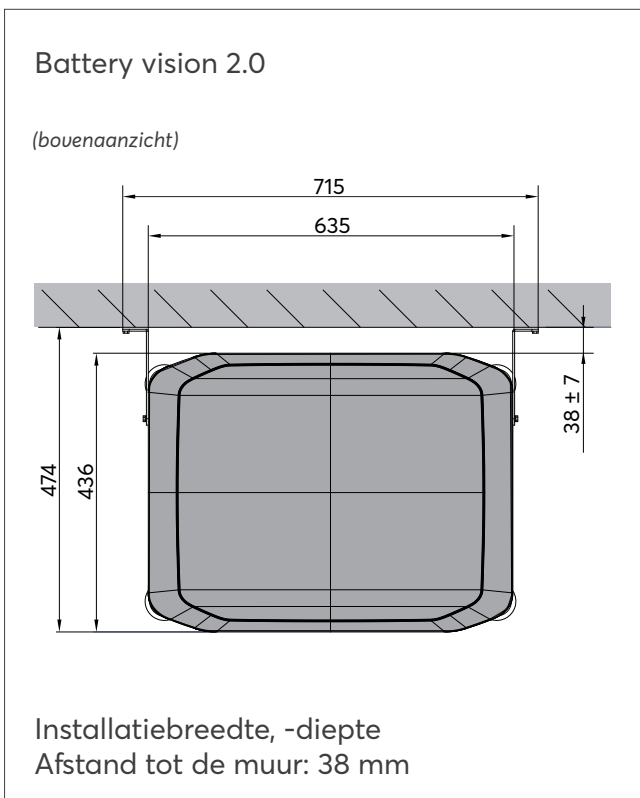
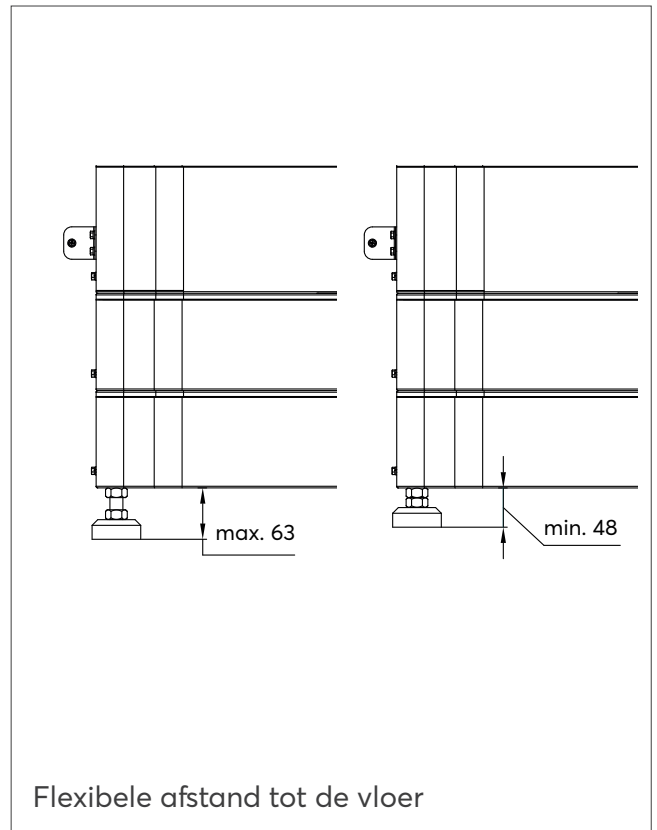
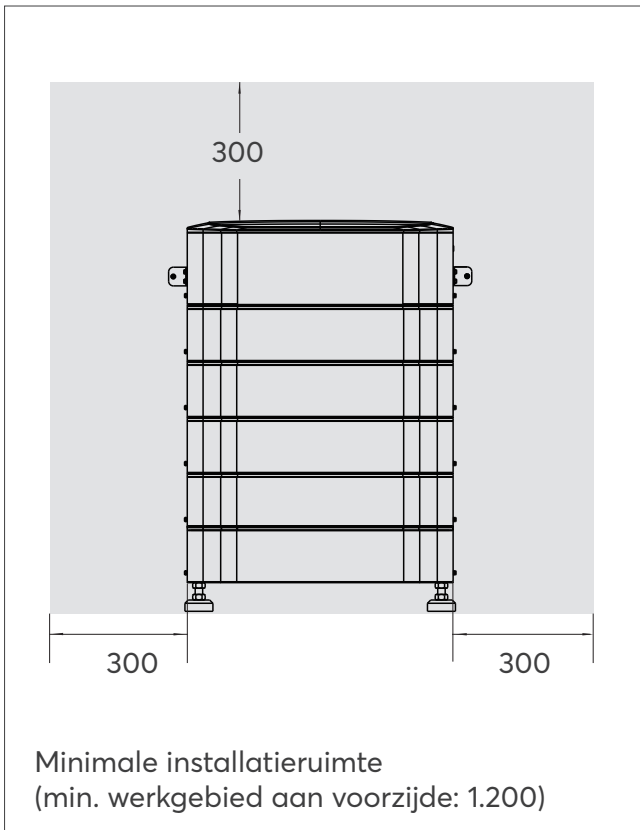
- |                                |   |
|--------------------------------|---|
| 11 Bevestigingsbeugel          | 17 Schroeven voor muurbevestiging, deuvels                    |
| 12 PV connectors (MC4 Stäubli) | 18 Antenne  |
| 13 PV pincontacten             | 19 Kabelschoen voor aardingskabel    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



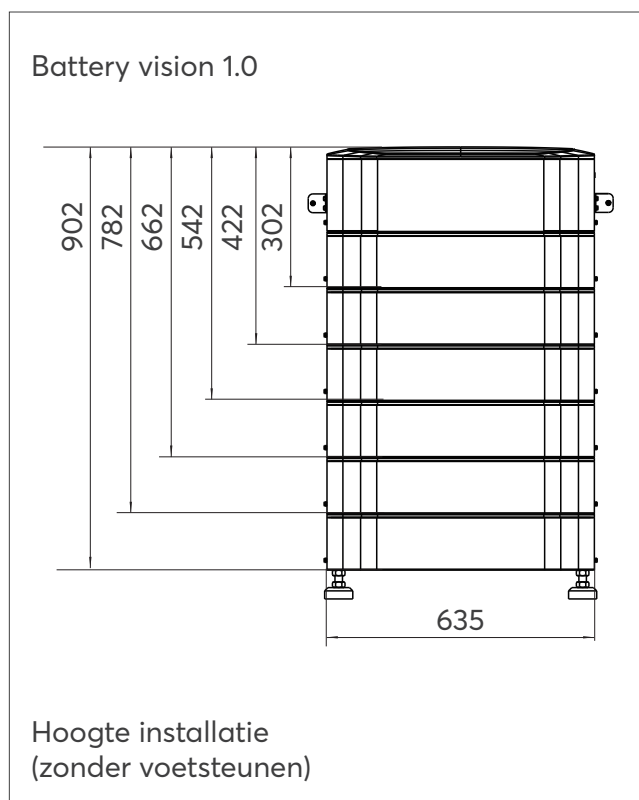
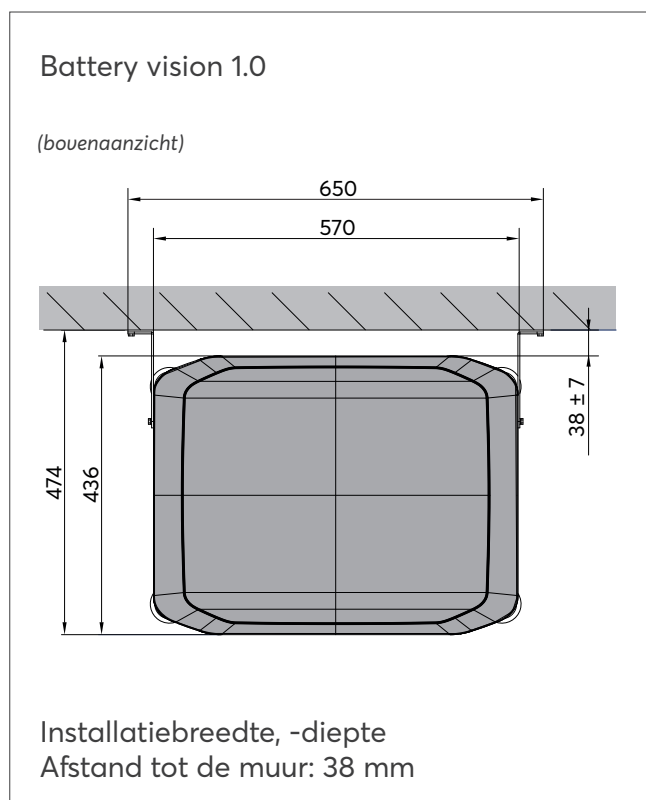
- |                                    |
|------------------------------------|
| O LCD-scherm                       |
| P rood: fout                       |
| Q blauw: WLAN/LAN-status           |
| R groen: operationele modus        |
| S omhoog bewegen; waarde verhogen  |
| T beneden bewegen; waarde 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

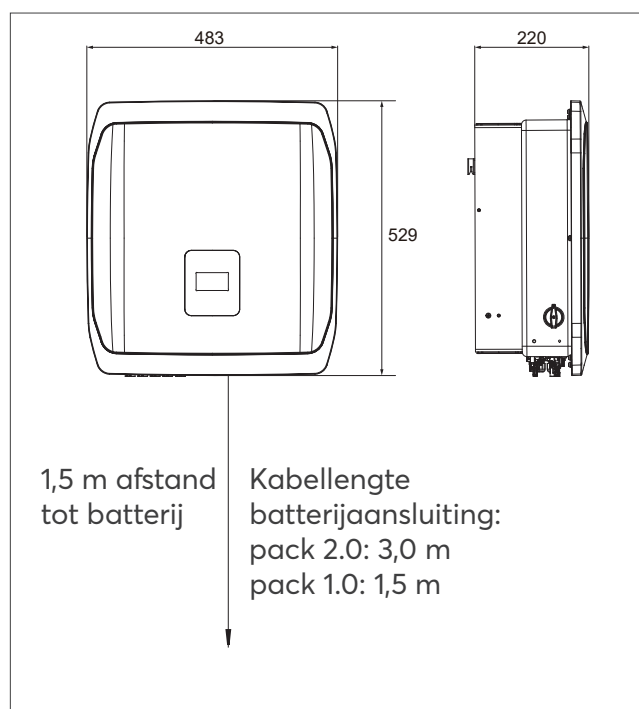
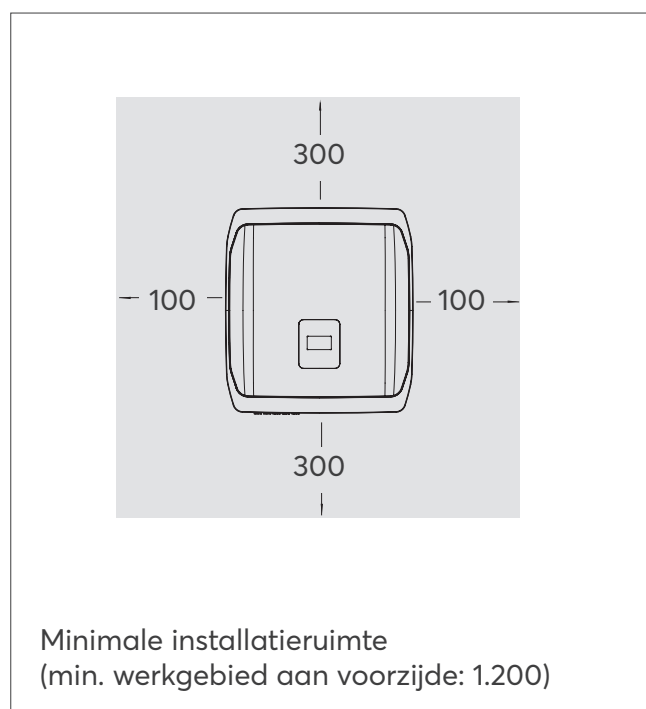
## AFMETINGEN BATTERY VISION [MM]



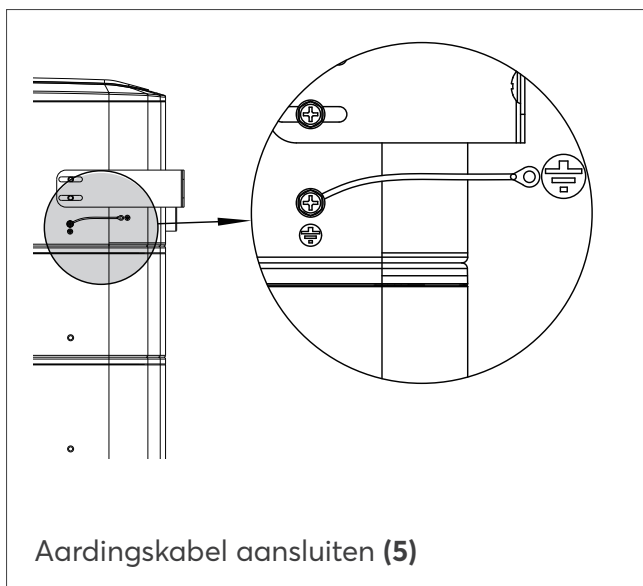
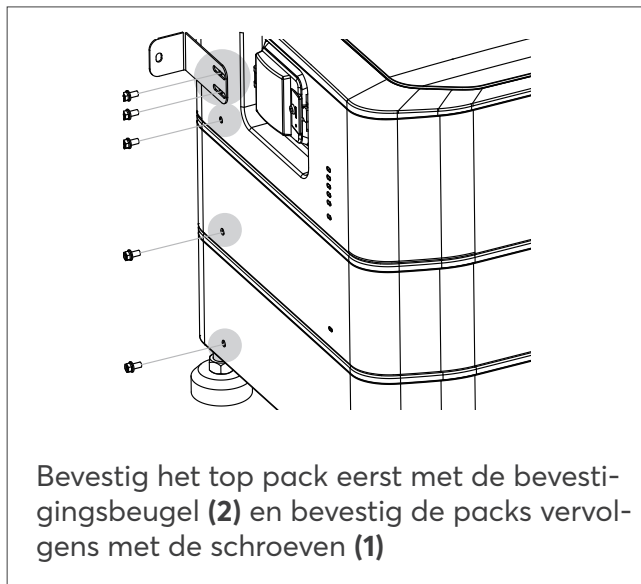
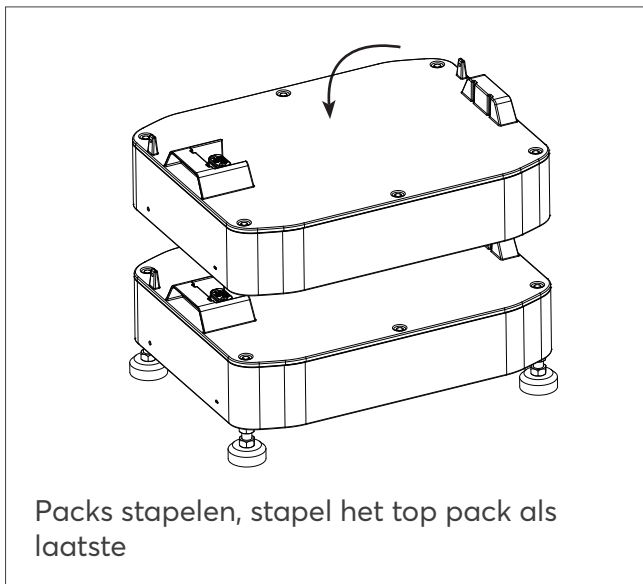
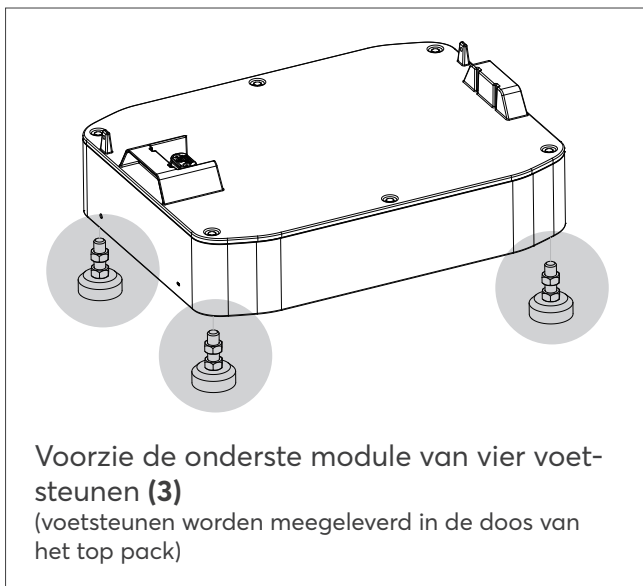
## AFMETINGEN BATTERY VISION [MM]



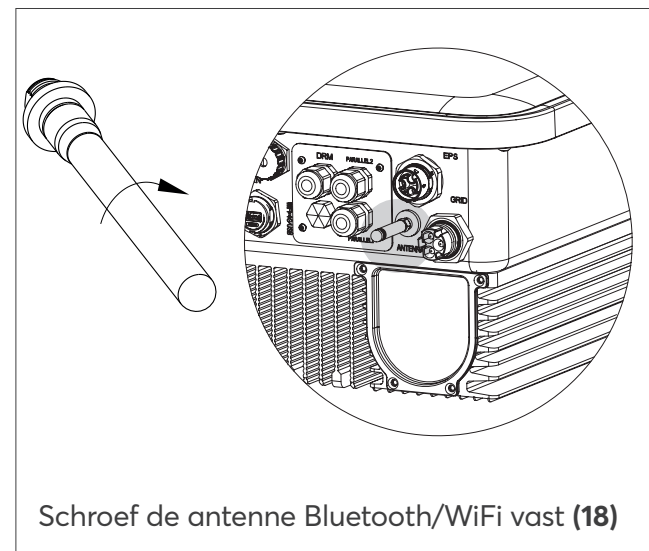
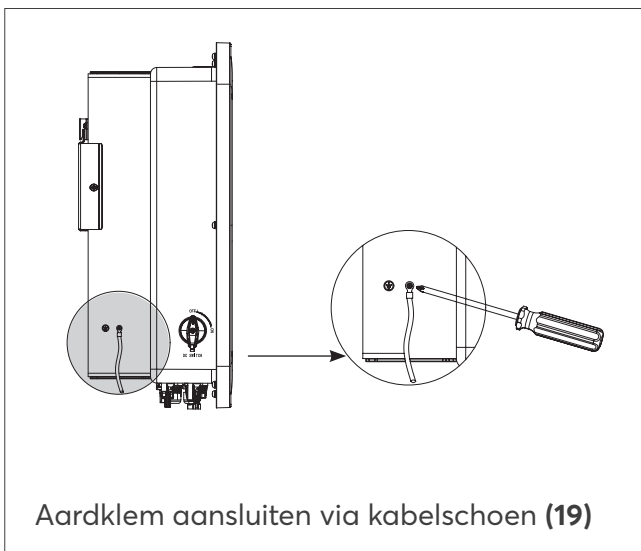
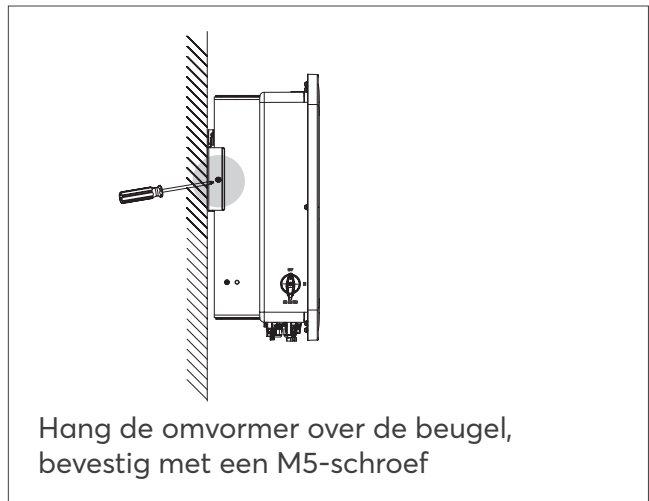
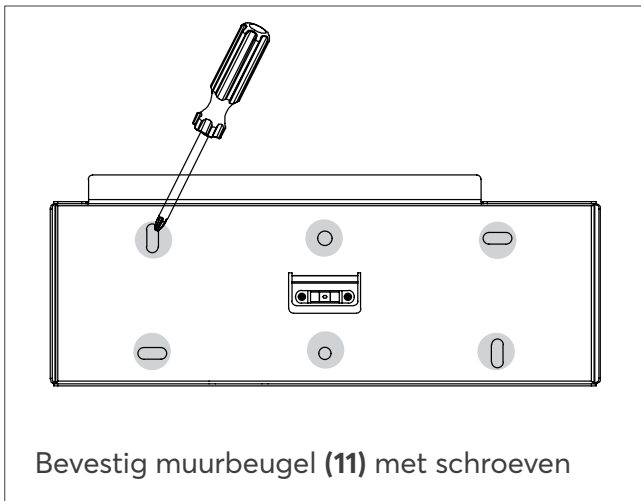
## AFMETINGEN INVERTER VISION ONE [MM]



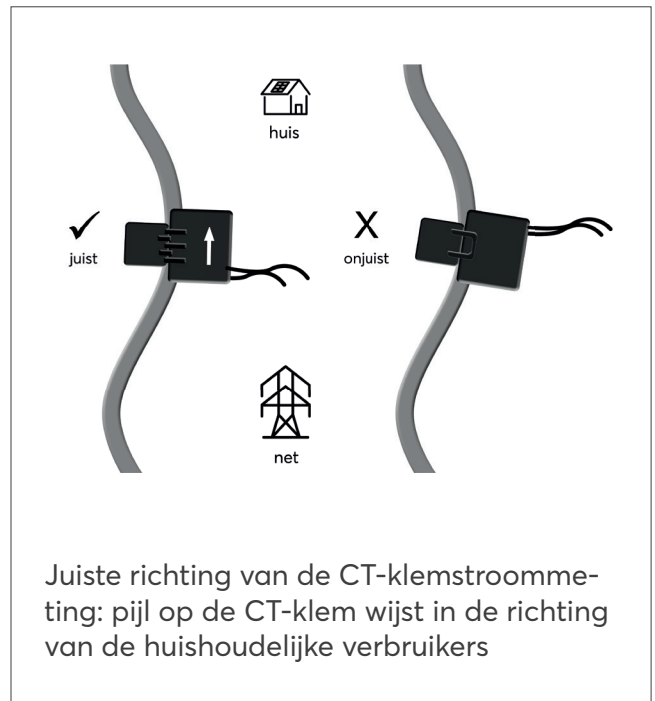
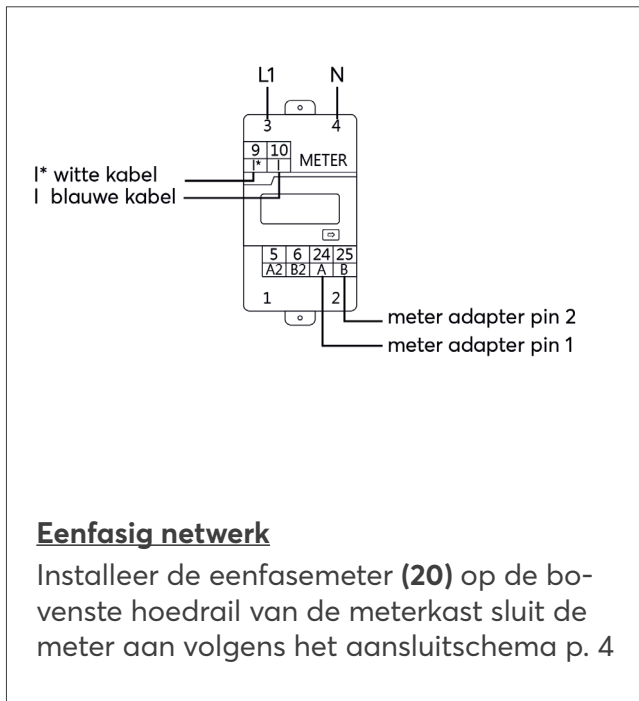
## BATTERY PACKS MONTAGE EN BEDRADING



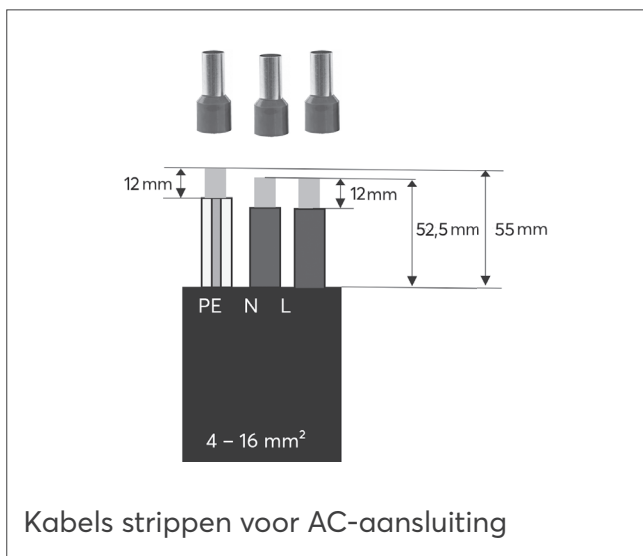
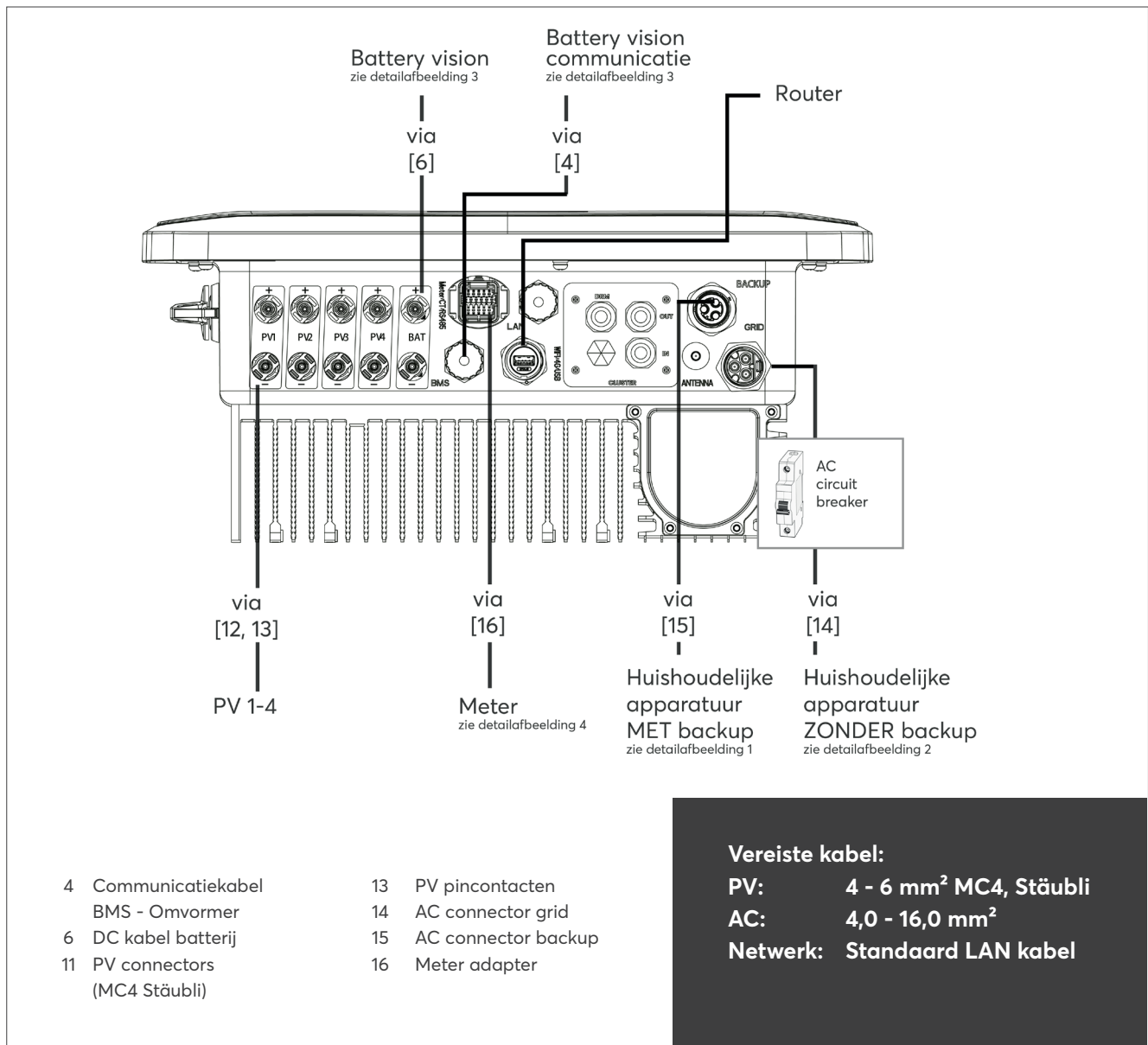
## INVERTER MONTEREN EN BEDRADEN



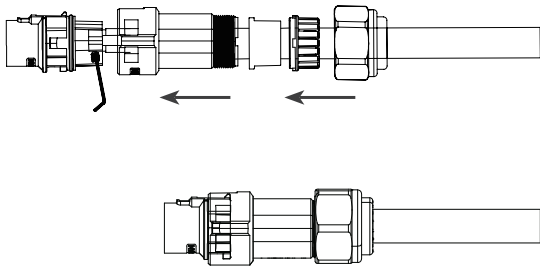
## METER MONTEREN EN BEDRADEN



# BEDRADING INVERTER



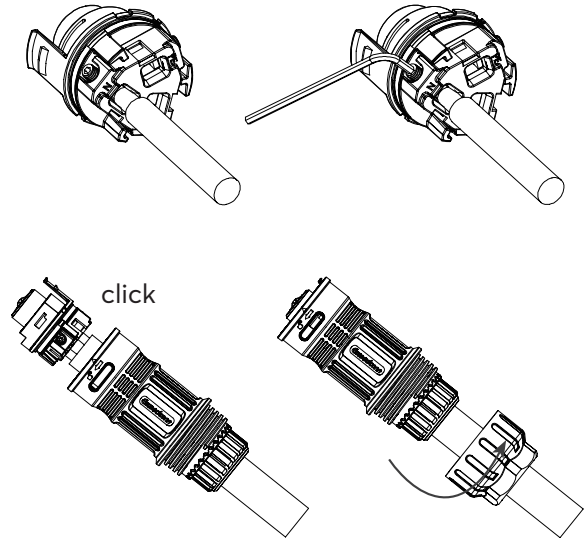
## Detail 1



### AC GRID

- Schuif de kabelmoer en vervolgens de achterste huls van de stekker (14) op de kabel
- Steek de aders in de stekker en draai de schroeven vast
- Sluit de stekker stevig aan

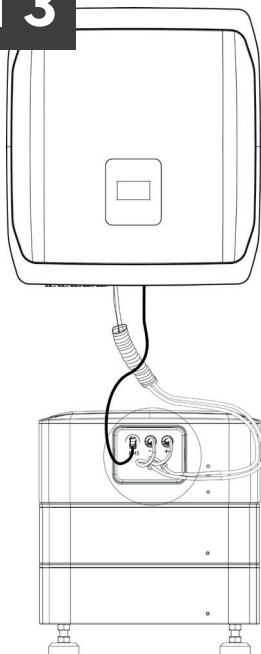
## Detail 2



### AC BACKUP

- Steek de aders in de stekker (15) en zet ze vast met een inbusleutel
- Druk de behuizing in de bus
- Draai de kabelmoer vast
- Sluit de stekker stevig aan

## Detail 3

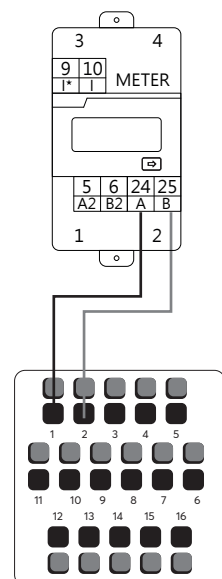


Batterij aansluiten (6, 4)

## Detail 4

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

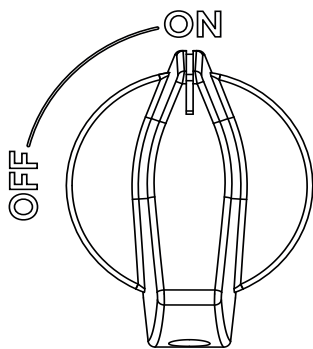
(Zicht vanaf de kant van de verbindingen)



Verbind eenfasemeter (16, 20)

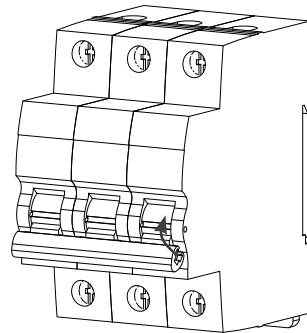
## SYSTEEM OPSTARTEN

1



Draai de DC-schakelaar van de omvormer naar ON

2



Inschakelen:

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

3

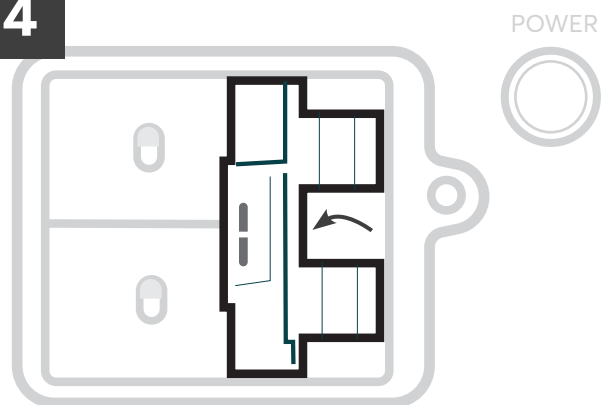


- gridcode instellen voor netveiligheid
- tijd instellen

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.

## SOLARWATT PRO APP BINDING



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  $\phi$  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

## SYSTEEM UITSCHAKELEN

1



Druk 3 sec. op de bevestigingsknop van omvormer .

- STOP selecteren

2



POWER

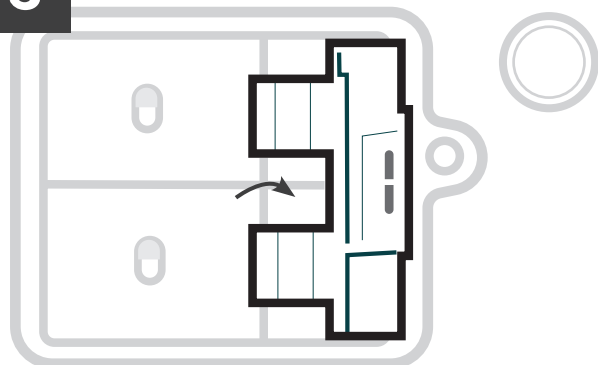


**Top pack 2.0:**  
Druk 5 sec. op de knop  
(totdat de status-LED uitgaat)

**Top pack 1.0:**  
Druk op de schakelaar

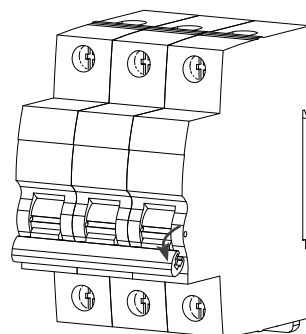
Druk op de POWER-knop van de accu (top pack)

3



Zet batterij DC schakelaar (top pack) op OFF

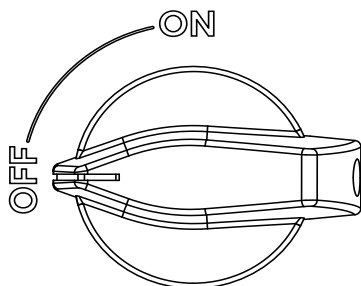
4



Uitschakelen

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

5



Draai de DC-schakelaar van de omvormer naar OFF

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

SOLARWATT Technologies Ltd.  
Shepperton Marina  
Felix Lane  
Shepperton TW17 8NS

+44-203-966-1952  
info.uk@solarwatt.com  
www.solarwatt.co.uk

**Sie haben Fragen?  
Melden Sie sich gern bei uns**

SOLARWATT GmbH  
Maria-Reiche-Straße 2a  
01109 Dresden

+49-351-8895-555  
info@solarwatt.de  
www.solarwatt.de

**Vous avez une question?  
N'hésitez pas à nous contacter.**

Solarwatt France  
15 Chemin du Saquin  
69130 Ecully

+33 (0) 4 69 85 17 70  
info.france@solarwatt.com  
solarwatt.fr

**Se avete domande,  
non esitate a contattarci.**

Solarwatt Italia S.R.L. | Viale della  
Navigazione Interna n°52  
35129 Padova

info.italy@solarwatt.com  
solarwatt.it

**Hebt u vragen?  
Neem gerust contact met ons op.**

Solarwatt BV  
Morsestraat 25  
4004 JP Tiel  
Nederland

+31 (0)344 767 002  
info.benelux@solarwatt.com  
solarwatt.nl/solarwatt.be



Disposal as dangerous good via your installer



Disposal as electronic waste



Élimination 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

