

Legend



NOTE

This symbol denotes information intended to assist the user in making optimum use of the product.



This symbol appears at grounding points on the SolarEdge manuals and equipment.



CAUTION!

Denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in damage or destruction of the product. Do not proceed beyond a caution sign until the indicated conditions are fully understood and met.



Turn ON/OFF the main circuit board AC switch and wait 5 minutes



WARNING!

Denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in injury or loss of life. Do not proceed beyond a warning note until the indicated conditions are fully understood and met.



Turn ON/OFF the DC Safety Switch on Synergy Manager and wait 5 minutes
(Applicable only for models with DC Safety Switch)



Do not cut cable connectors

SAVE THESE INSTRUCTIONS – This guide contains important instructions for the Three Phase Inverter with Synergy Technology that should be followed during installation and maintenance. Using this equipment in a manner not specified in this guide by SolarEdge may impair the protection provided by this equipment.

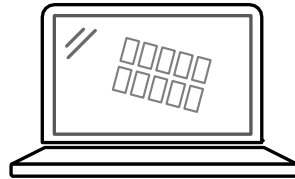
Installing the Power Optimizers

1

① → ② → ③ → ④ → ⑤ → ⑥

①

Use SolarEdge Designer
to design SE system
<https://designer.solaredge.com>



②

Download SolarEdge Mapper
to map string Power Optimizers

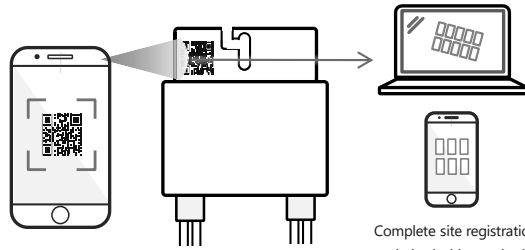


1 Installing the Optimizers

① → ② → ③ → ④ → ⑤ → ⑥

③

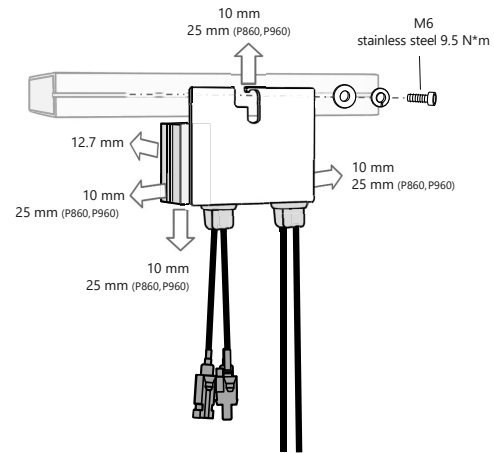
Scan QR code using Mapper



Complete site registration and physical layout in the Monitoring platform

④

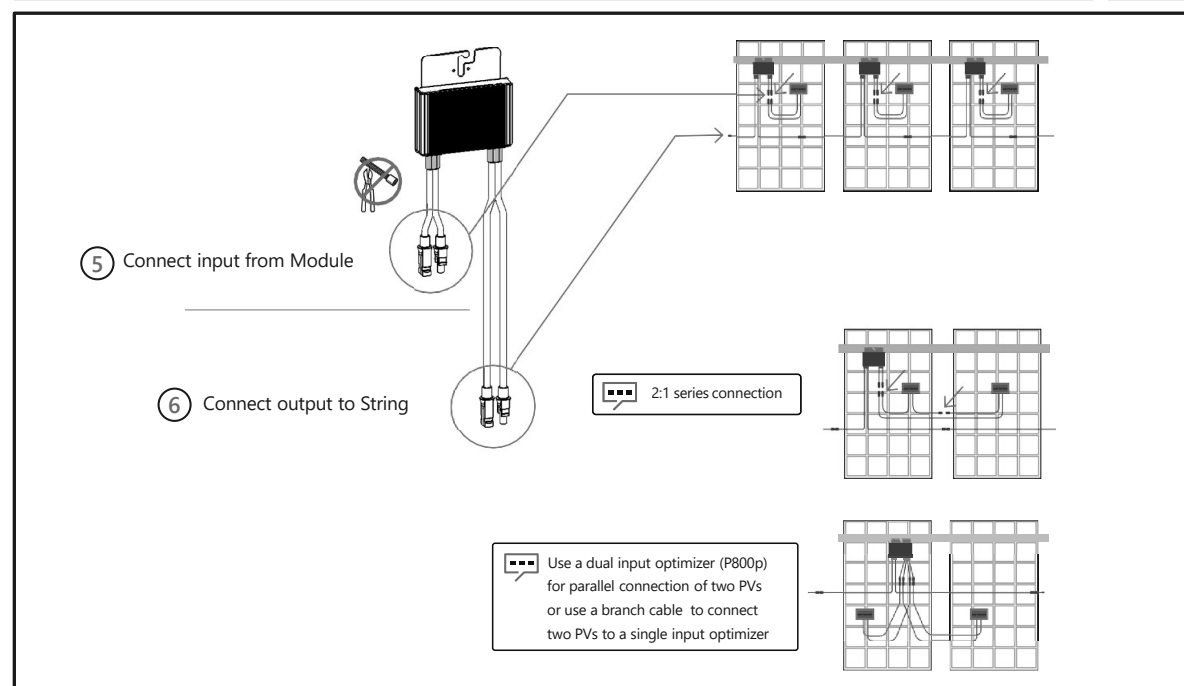
Install Power Optimizer



Installing the Power Optimizers

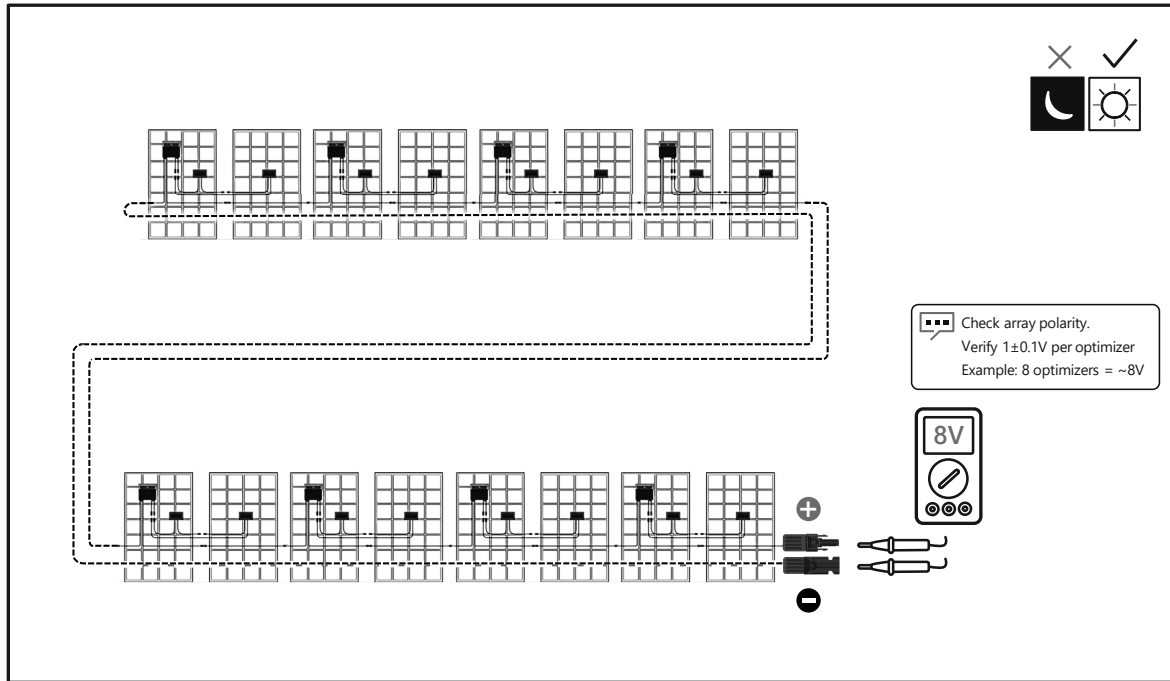
1

①→②→③→④→⑤→⑥



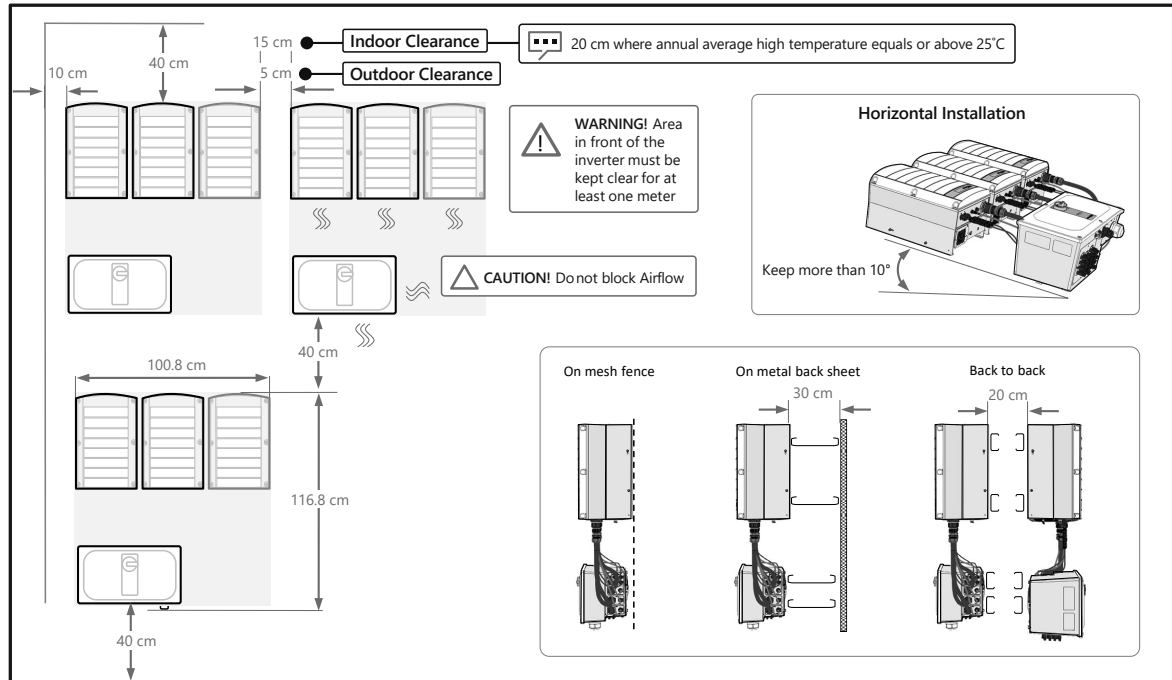
2

Connecting the PV Array

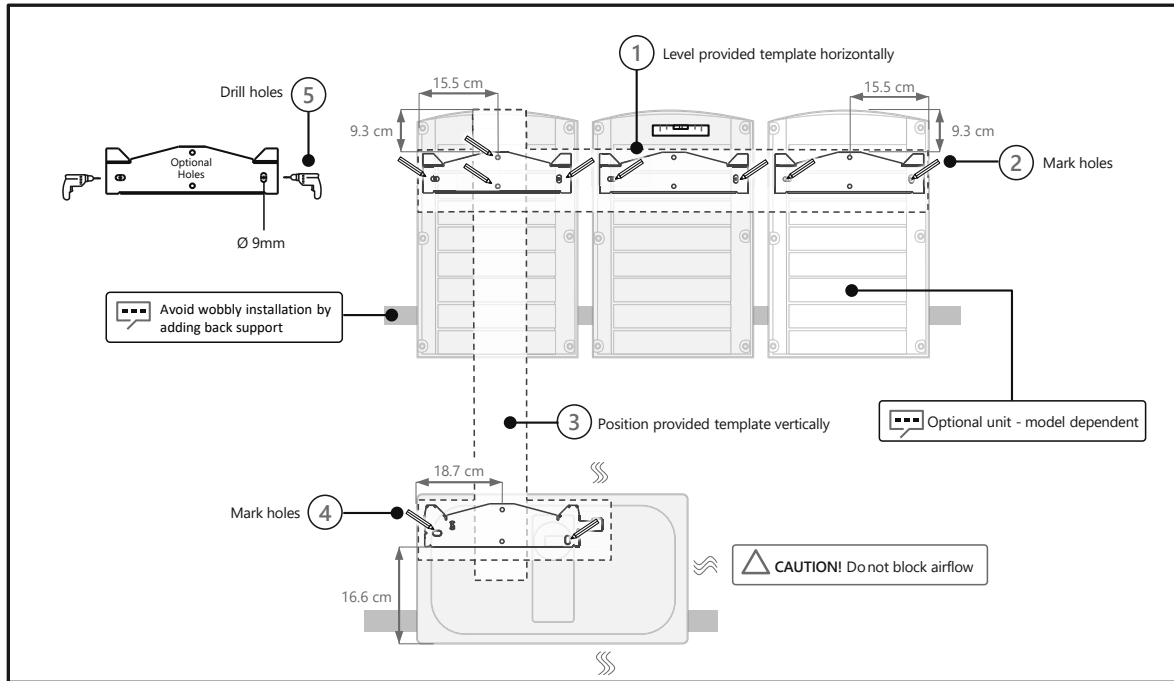


Maintaining Clearance

3

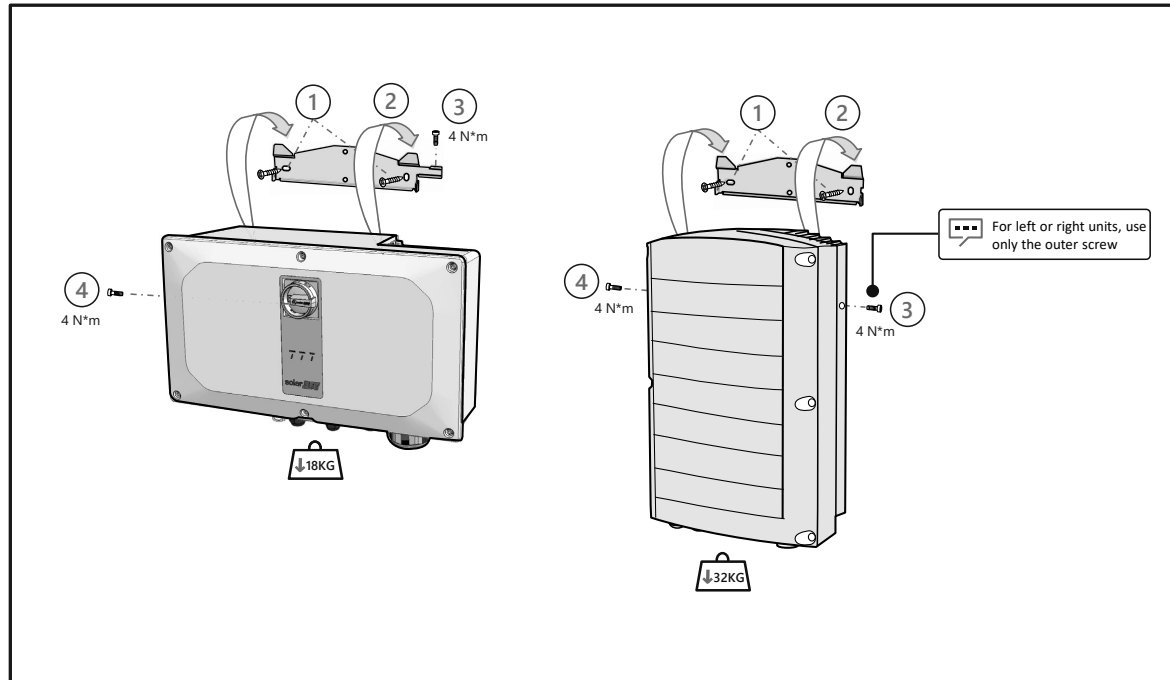


4 Marking & Drilling Holes

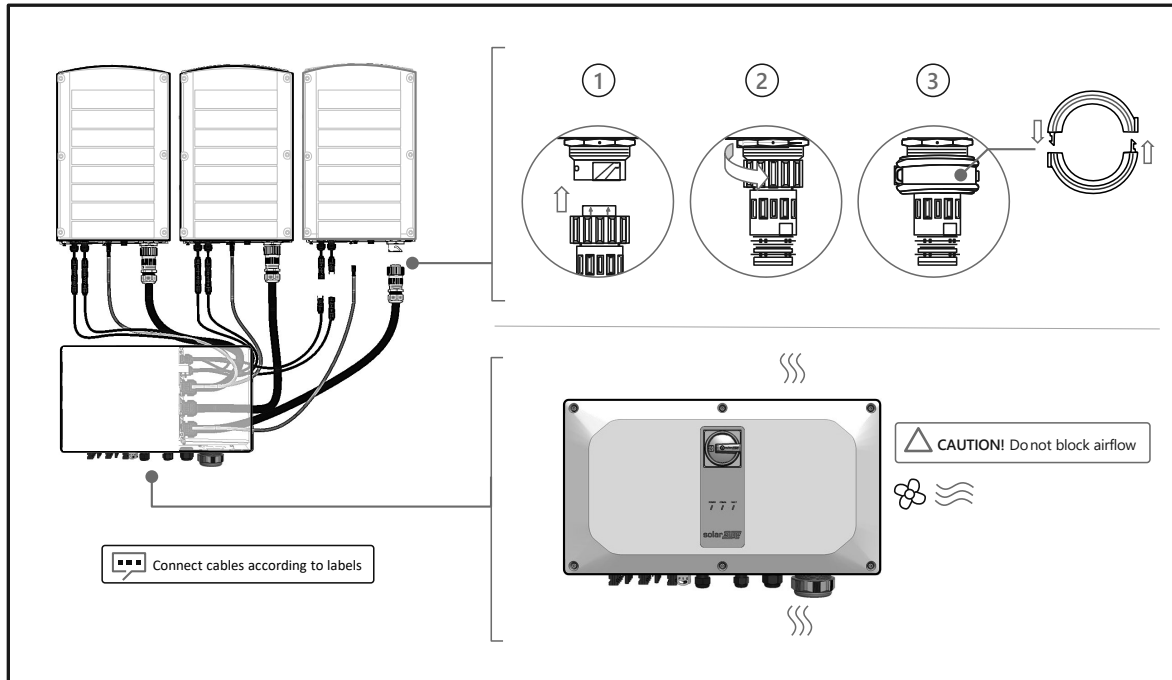


Mounting the Units

5

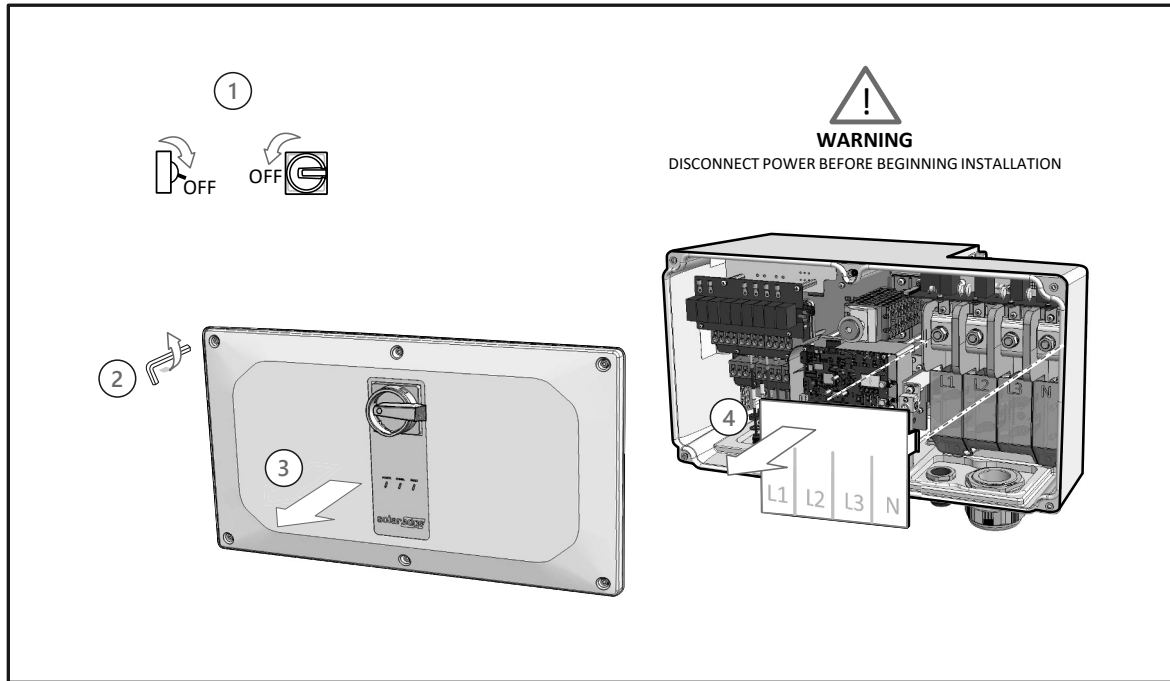


6 Connecting Interconnection Cables

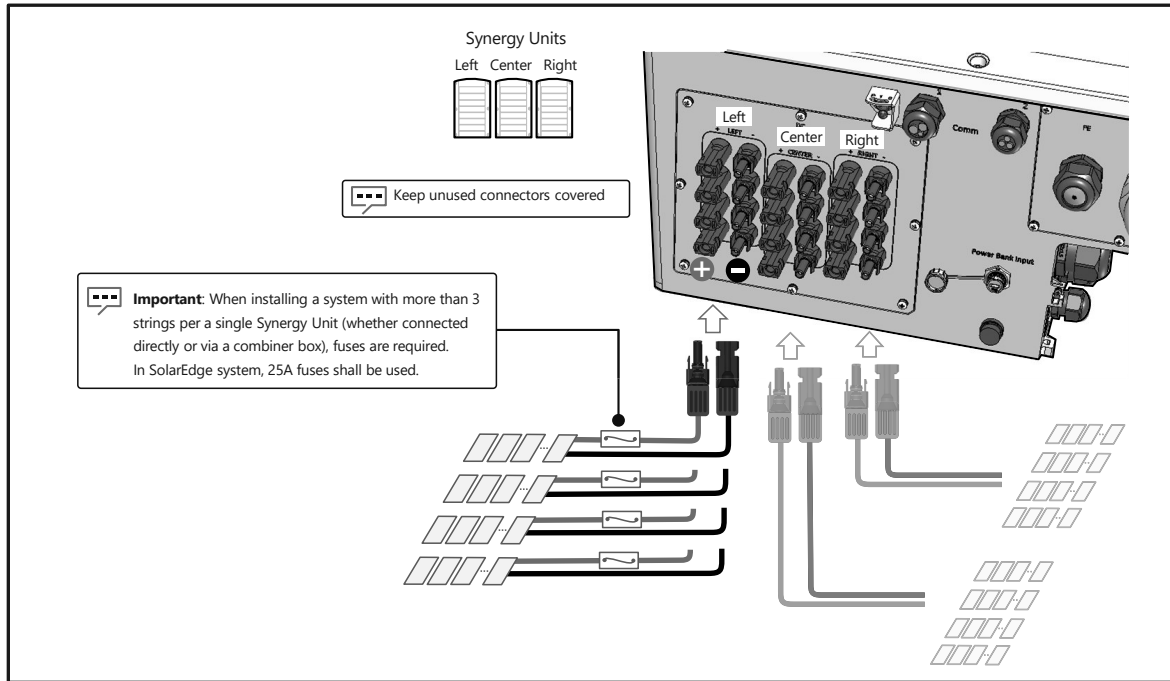


Removing Covers

7



8 Connecting PV Strings

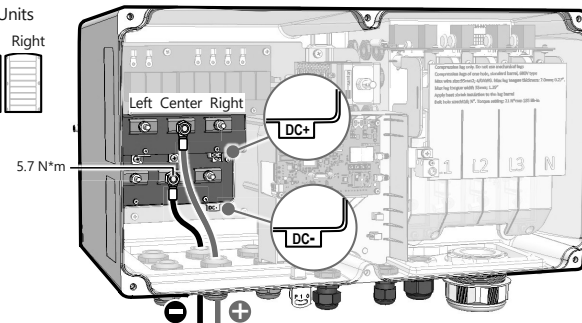
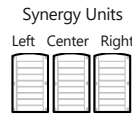
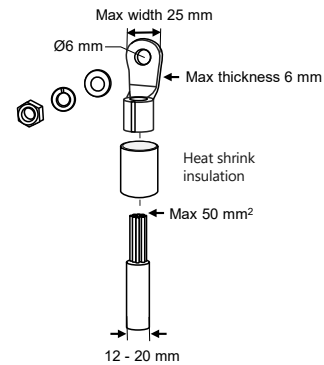


Connecting PV Strings via Single DC Input

8

CAUTION!

- For aluminum wires, **USE ONLY** Bi-metal lugs
- For copper wires, **USE ONLY** copper tin-plated lugs



Important: When installing a system with more than 3 strings per a single Synergy Unit (whether connected directly or via a combiner box), fuses are required. In SolarEdge system, 25A fuses shall be used

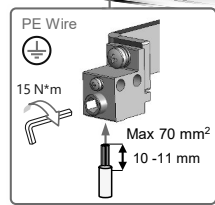
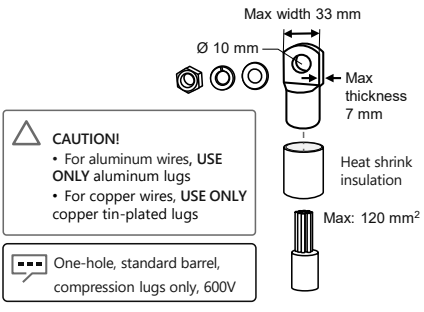
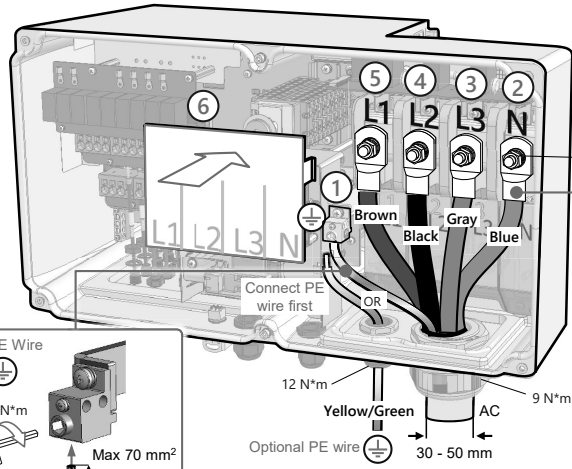
Functional electrical earthing of DC-side negative or positive pole is prohibited because the inverter has no transformer. Grounding (earth ground) of module frames and mounting equipment of the PV array modules is acceptable



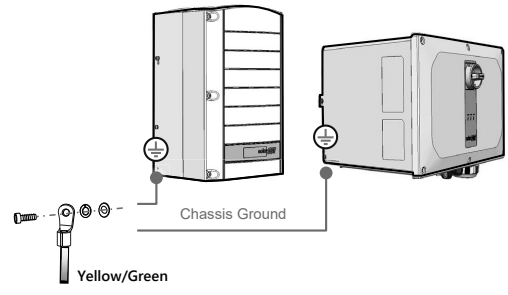
9 Connecting AC and Protective Earth (PE)

The inverter can either support 4 wire + PE or 3 wire + PE connection

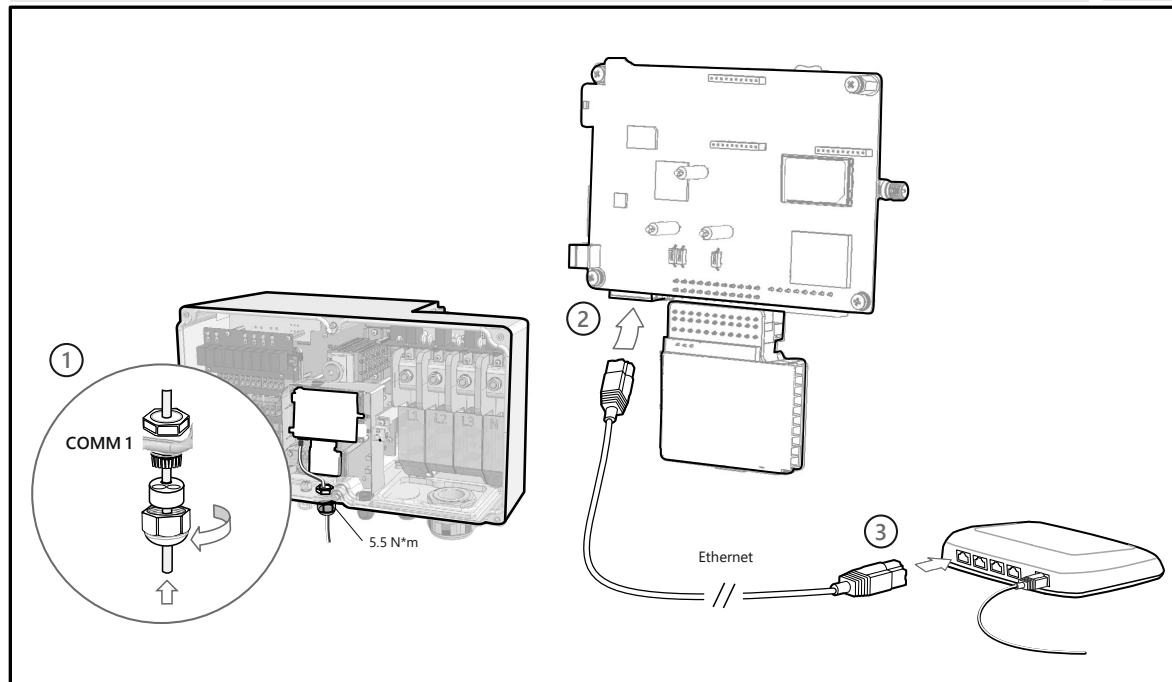
Overcurrent protection for the AC output must be provided by others, see manual for guidance



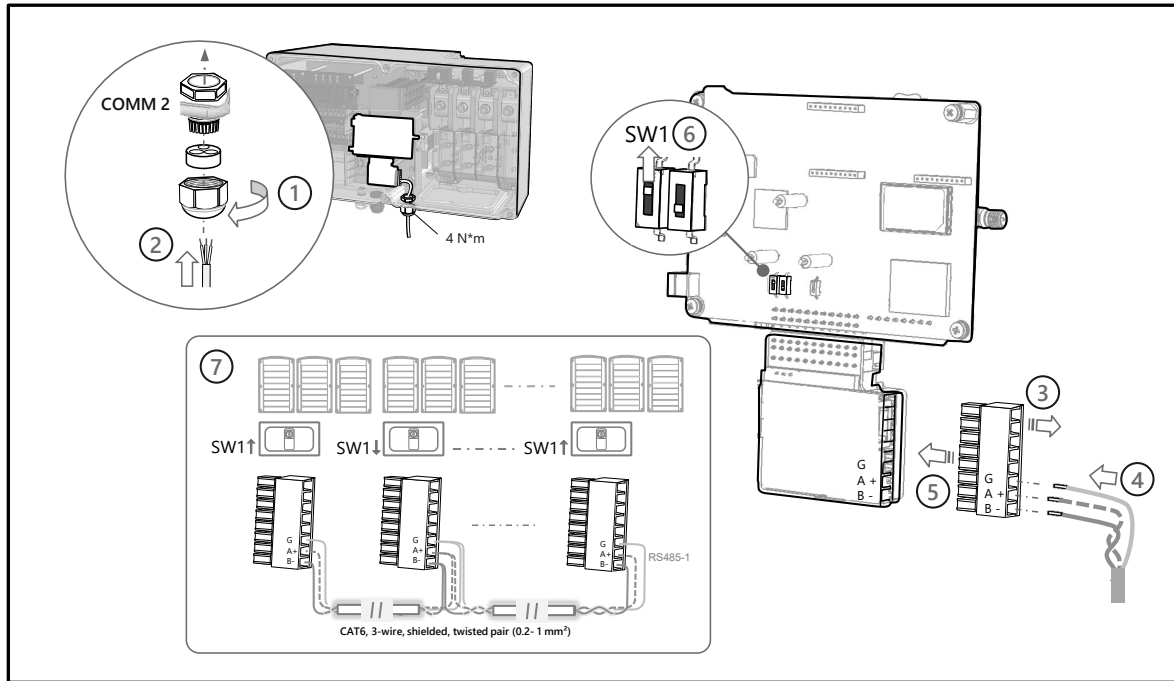
When using a stranded wire, use of ferrule is at the installer discretion



LAN Communication 10

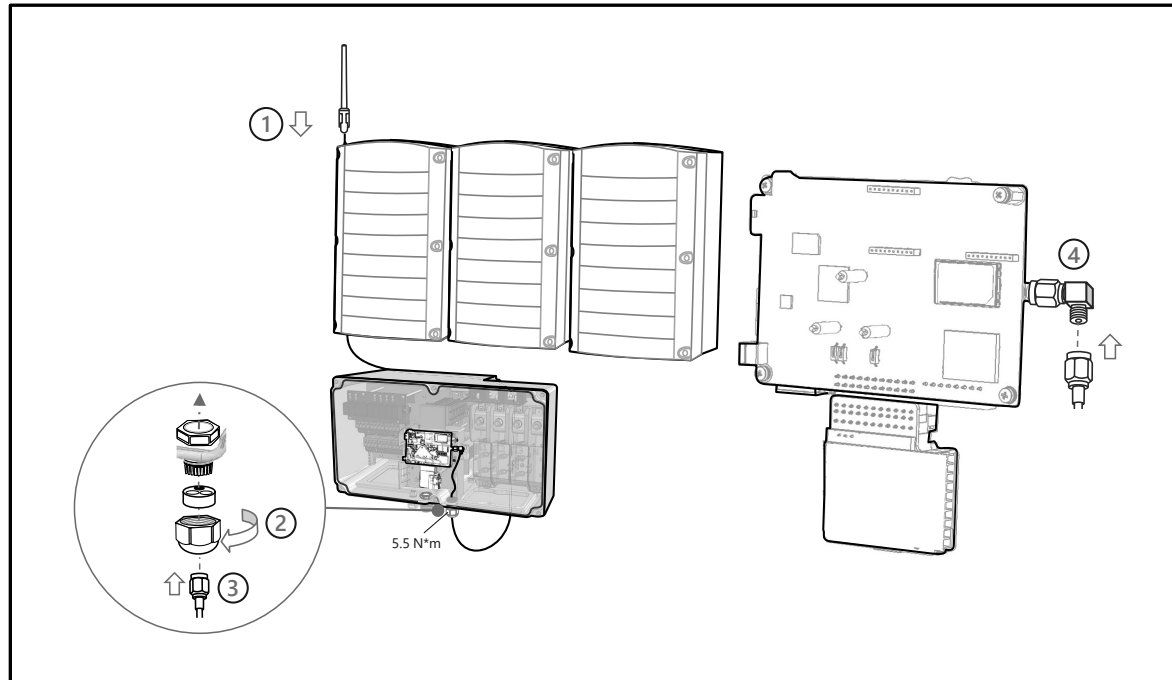


11 RS485 Connection of Multiple Inverters

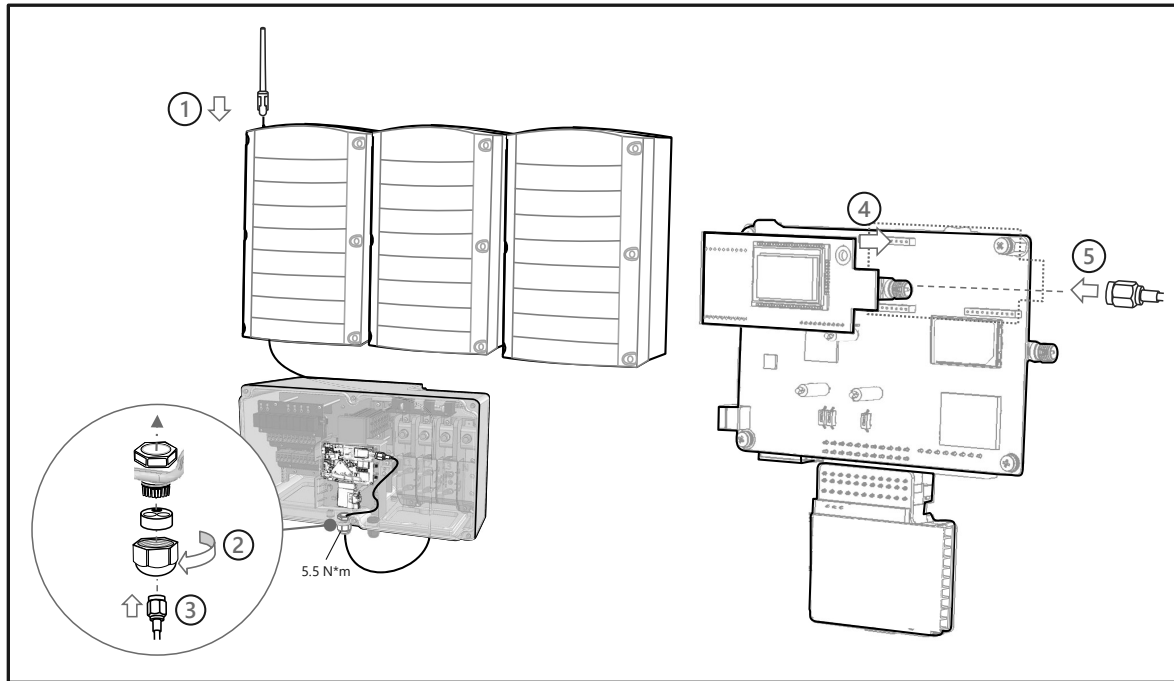


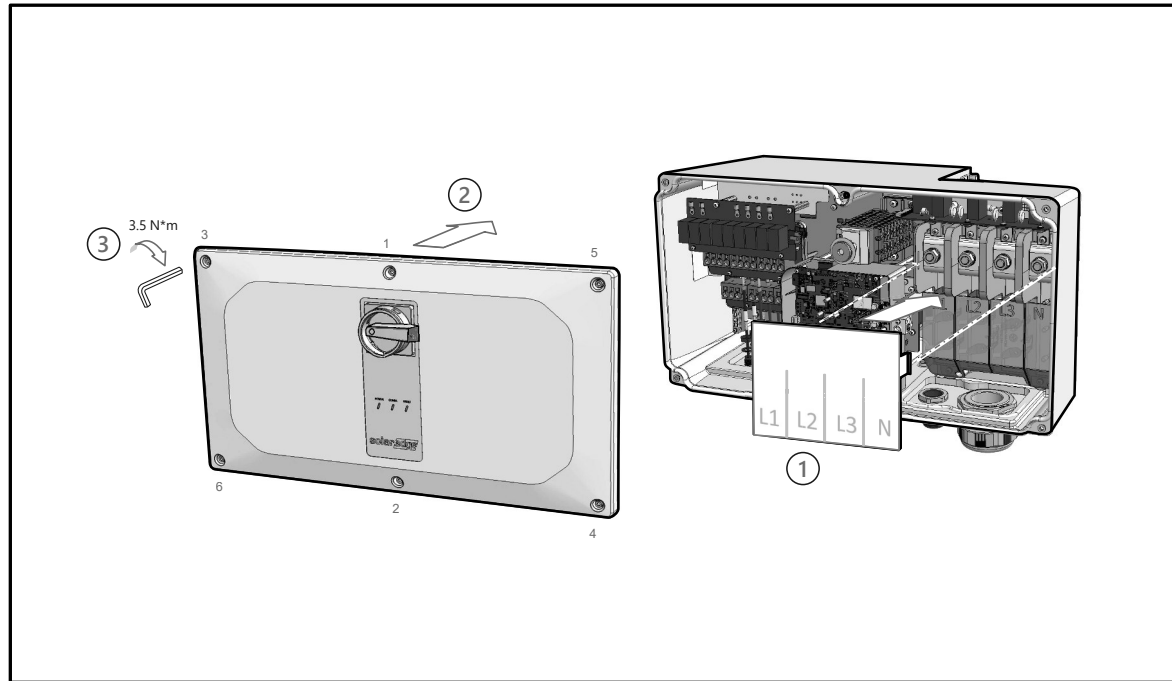
Connecting Wi-Fi Communication (Optional)

12

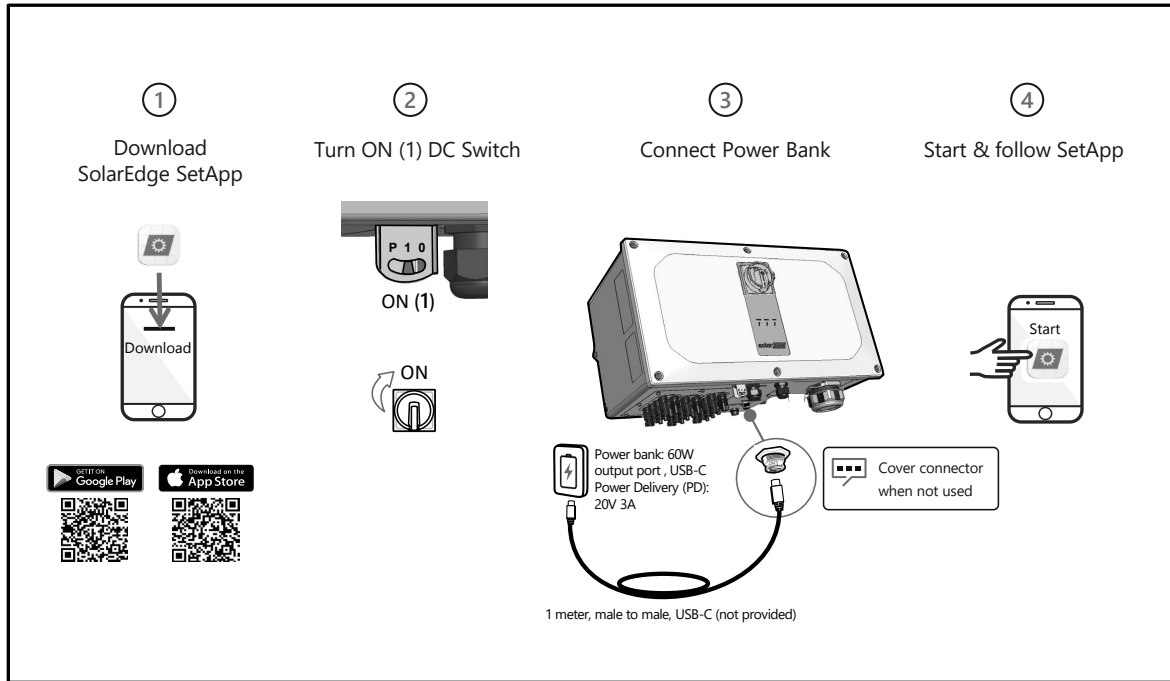


13 Connecting Cellular Communication (Optional)

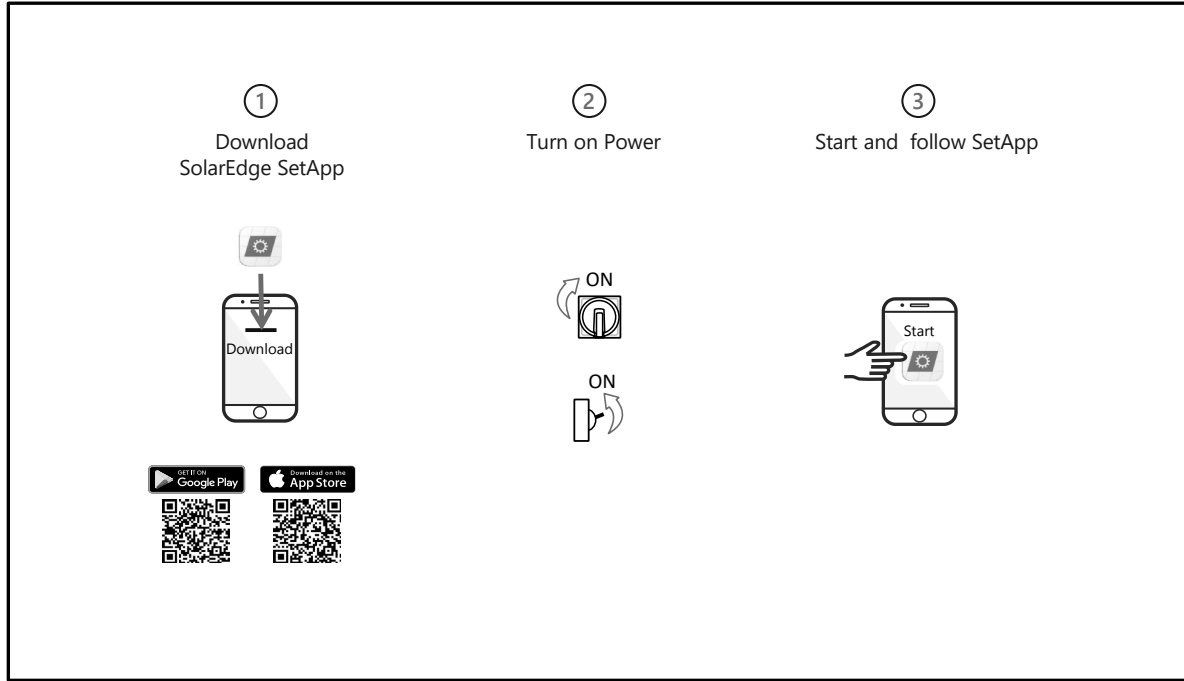




15 Pre-commissioning when AC Power is Not Connected (Option 1)



Commissioning with DC and AC Power (Option 2)



17 Commissioning the Leader Inverter

① Country & Language >

② Pairing >

③ Site Communication >

④ Status >

RS485-1 → Protocol → SolarEdge → Solaredge Leader

RS485-1 → Follower Detect

Site		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/0
Inverter SN 07318000C		
Power 100kW	Voltage 277 V _{ac}	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Inverter Units		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 V _{dc}	Voltage 850 V _{dc}	Voltage 850 V _{dc}
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

POWER COMM FAULT

Green Blue Red



System is producing Power



AC is connected but the system is not producing power



Inverter is communicating with the Monitoring platform



System error

The SolarEdge logo is positioned in the top-left corner of a large black trapezoidal shape. The logo consists of the word "solar" in a lowercase sans-serif font, followed by "edge" in a lowercase sans-serif font with a white horizontal bar through the middle of the letters "e" and "d".

solar^{edge}

Support Contact Information

If you have technical problems concerning
SolarEdge products, please contact us:

<https://www.solaredge.com/service/support>

Subject to change without notice.

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MAN-01-00784-1.3

solar**edge**

Dreiphasen- Wechselrichter mit Synergie-Technologie

Installationsanleitung (Kurzfassung)

PN: SExxK-xxxxlxxxx

Für Europa, den
asiatisch-pazifischen
Raum und Südafrika
Version 1.3

Legende



HINWEIS

Dieses Symbol weist auf Informationen hin, die den Nutzer bei der optimalen Nutzung des Produkts unterstützen sollen.



ACHTUNG!

Signalisiert eine Gefahr. Dieses Symbol warnt Sie bei Vorgängen, bei denen möglicherweise das Gerät beschädigt wird, wenn sie nicht korrekt oder ungenau ausgeführt werden. Arbeiten Sie bei einem Warnhinweis nicht weiter, bevor Sie den erläuterten Sachverhalt genau verstanden und die entsprechenden Maßnahmen ergriffen haben.



WARNUNG!

Signalisiert eine Gefahr. Dieses Symbol warnt Sie bei Vorgängen, bei denen Verletzungs- oder Lebensgefahr besteht, wenn sie nicht korrekt oder ungenau ausgeführt werden. Arbeiten Sie bei einem Gefahrenhinweis nicht weiter, bevor Sie den erläuterten Sachverhalt genau verstanden und die entsprechenden Maßnahmen ergriffen haben.



Steckverbinder nicht abschneiden.



Das Symbol kennzeichnet Erdungspunkte in den Anleitungen und den Geräten von SolarEdge.

ON



OFF

Schalten Sie den AC-Schalter am Hauptverteiler EIN/AUS und warten Sie 5 Minuten.

ON



OFF



Schalten Sie den DC-Sicherheitsschalter EIN/AUS und warten Sie 5 Minuten.
(Gilt nur für Modelle mit DC-Sicherheitsschalter)

BEWAHREN SIE DIESE ANLEITUNG AUF – Diese Anleitung enthält wichtige Anweisungen für den Dreiphasen-Wechselrichter, die während des Einbaus und der Wartung befolgt werden müssen. Die Verwendung dieses Geräts auf eine Weise, die nicht in diesem Dokument von SolarEdge angegeben ist, kann den von diesem Gerät gebotenen Schutz beeinträchtigen.

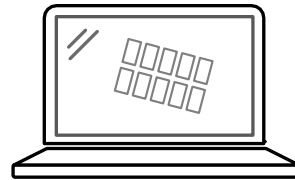
Installieren der Optimierer

1

① → ② → ③ → ④ → ⑤ → ⑥

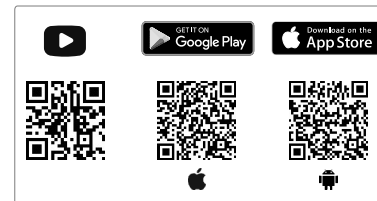
①

Verwenden Sie den SolarEdge Designer zur Auslegung von SolarEdge Systemen
<https://designer.solaredge.com>



②

Laden Sie sich zum Zuordnen der Leistungsoptimierer den SolarEdge Mapper herunter.



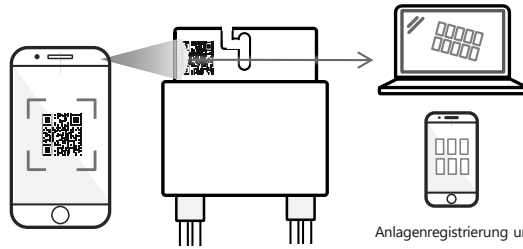
1

Installieren der Optimierer

① → ② → ③ → ④ → ⑤ → ⑥

③

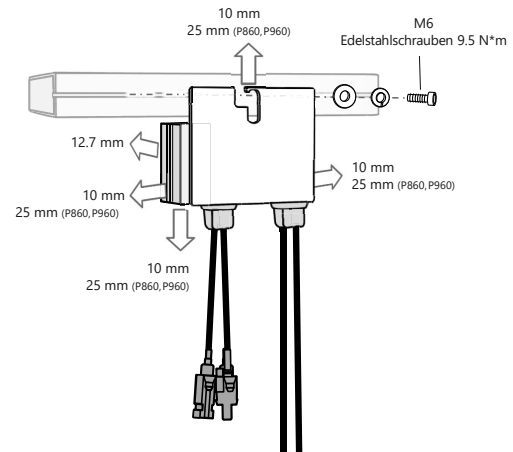
QR-Code mit dem Mapper scannen



Anlagenregistrierung und
physikalisches Layout über die
Monitoring Plattform abschließen

④

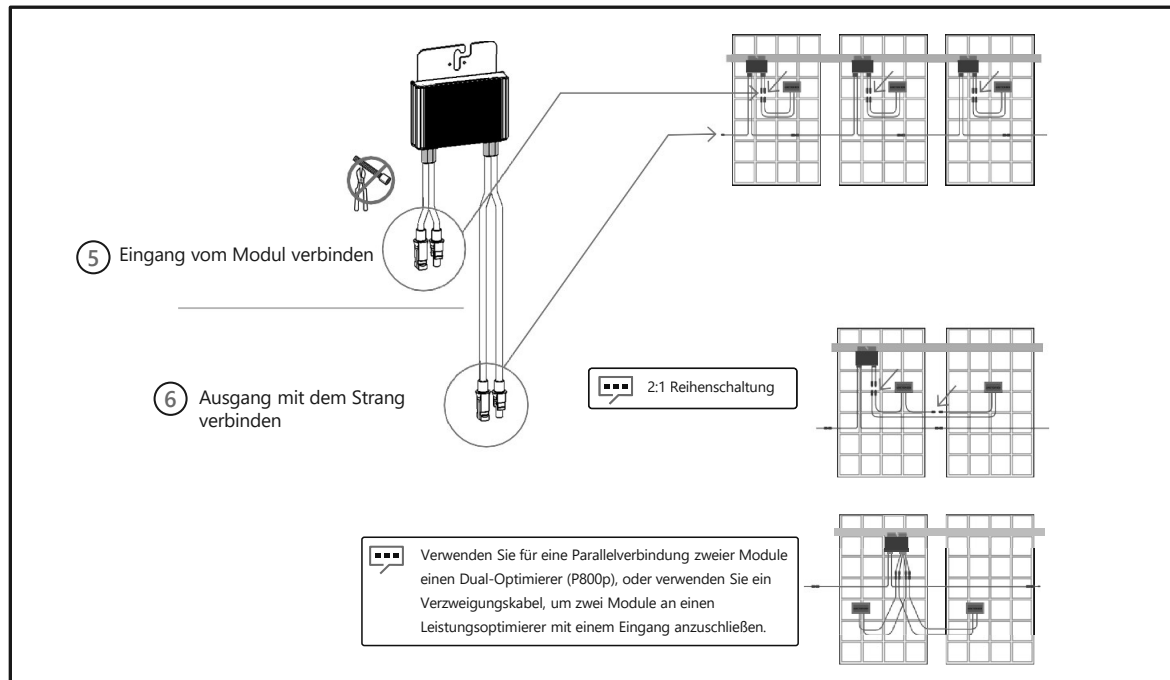
Leistungsoptimierer installieren



Installieren der Optimierer

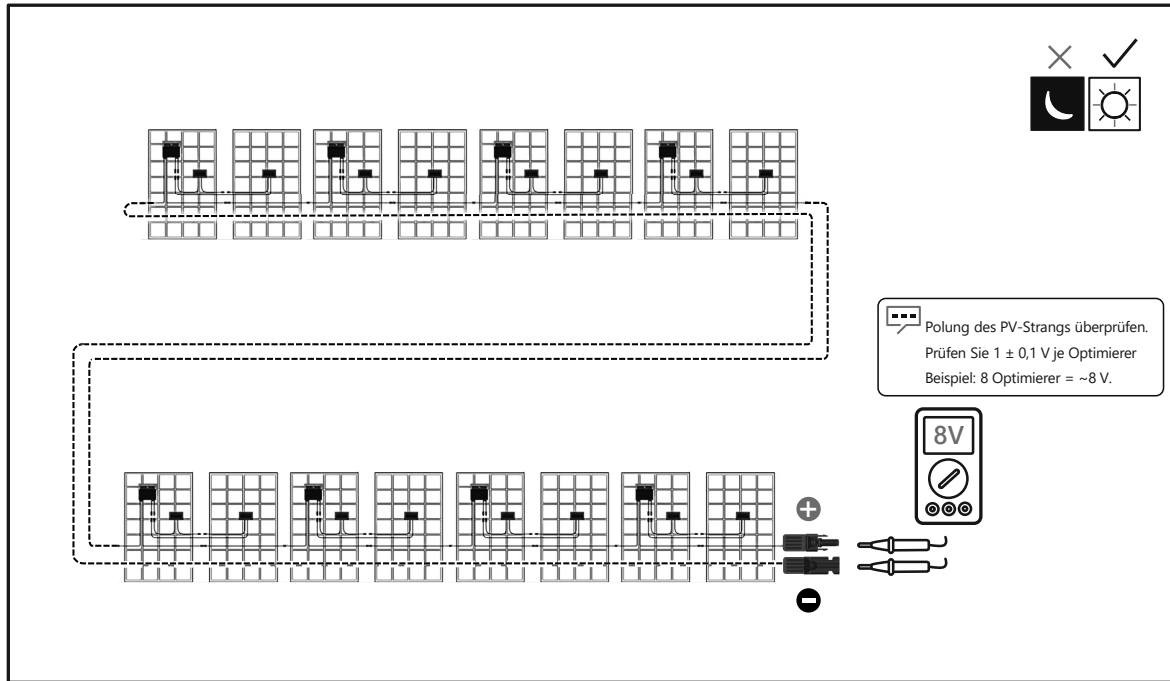
1

① → ② → ③ → ④ → ⑤ → ⑥



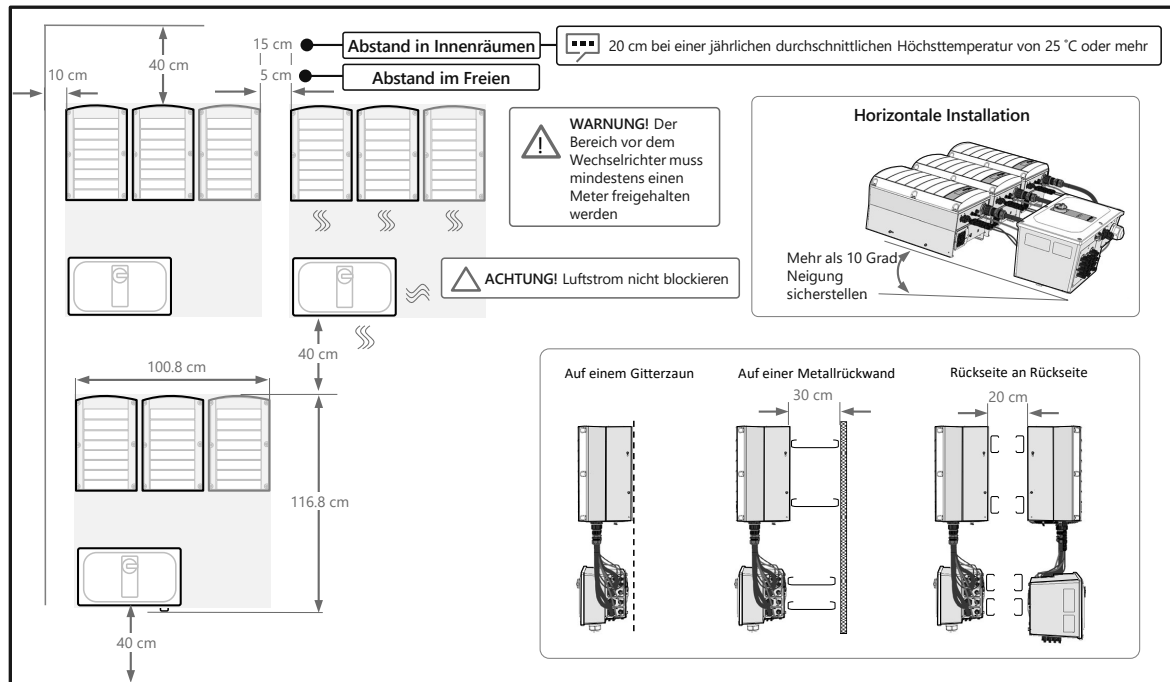
2

Anschließen des PV-Strangs

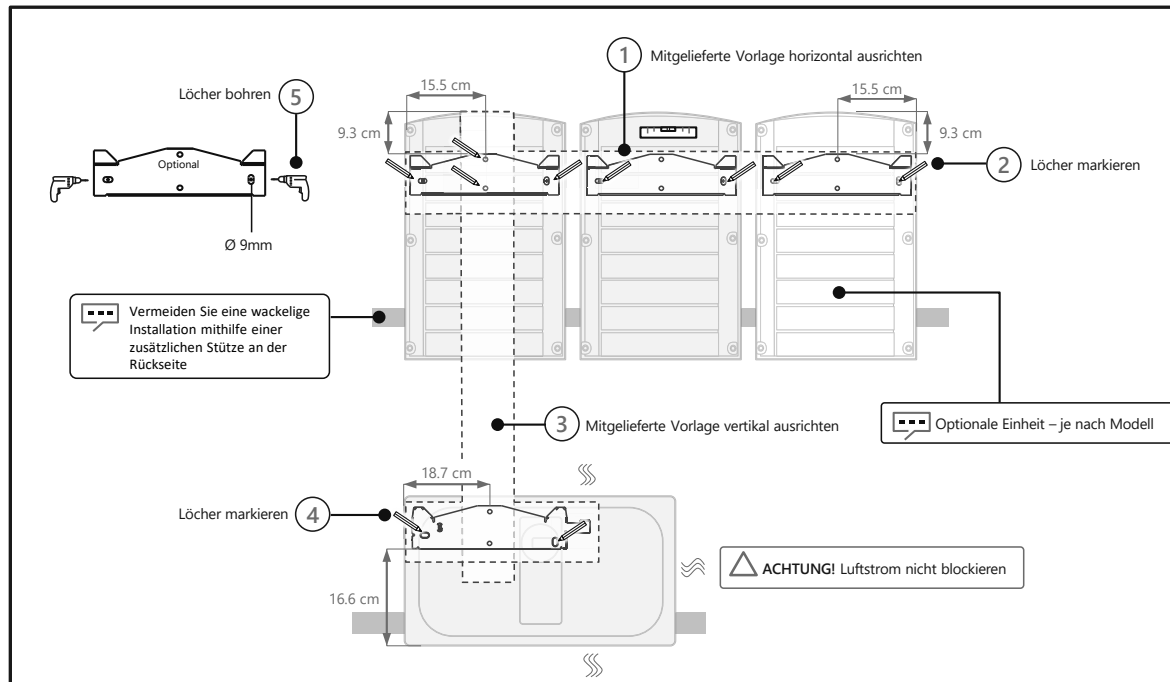


Abstände einhalten

3

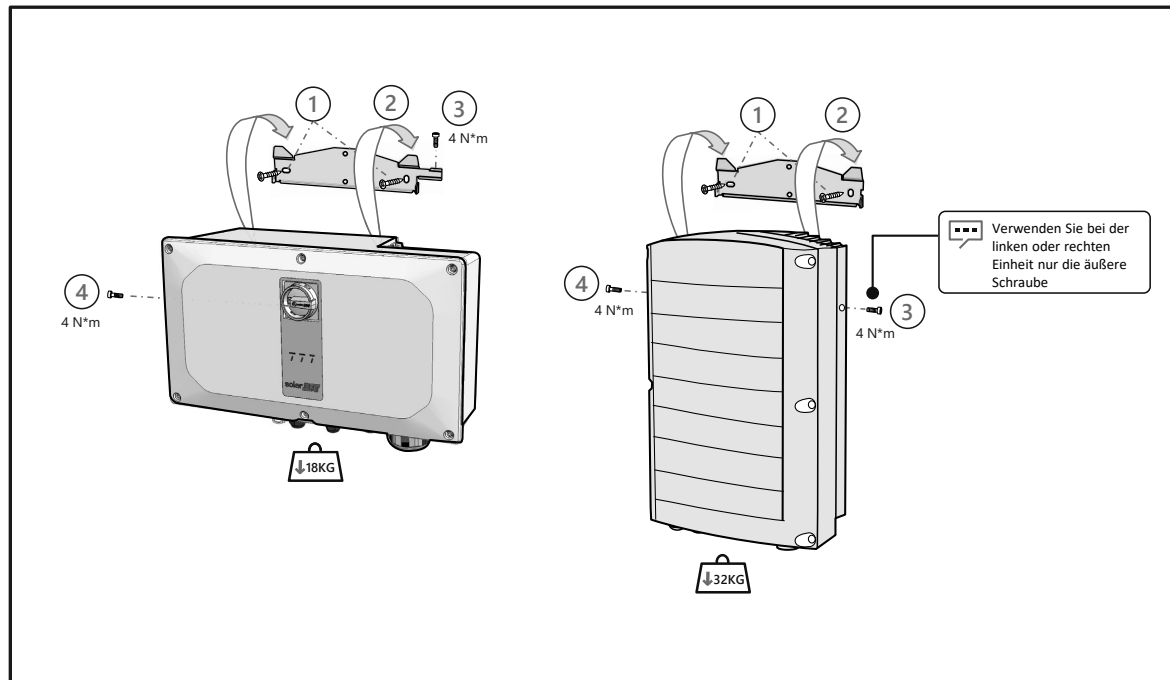


4 Markieren und Bohren von Löchern

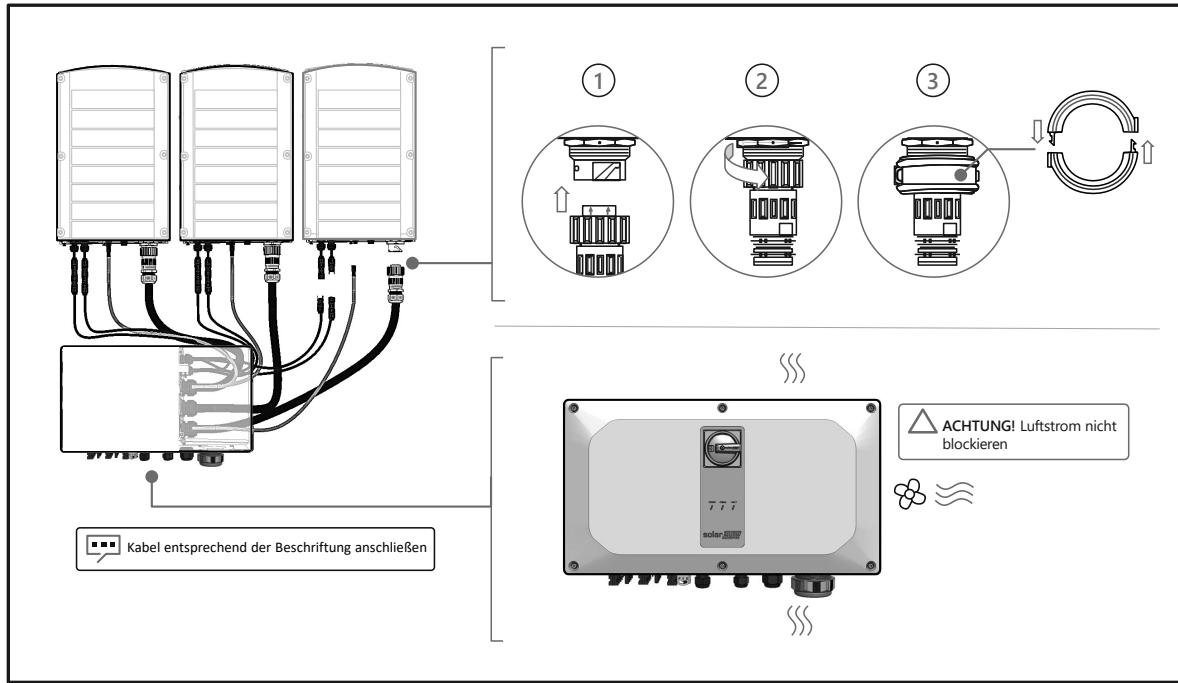


Montieren der Einheiten

5

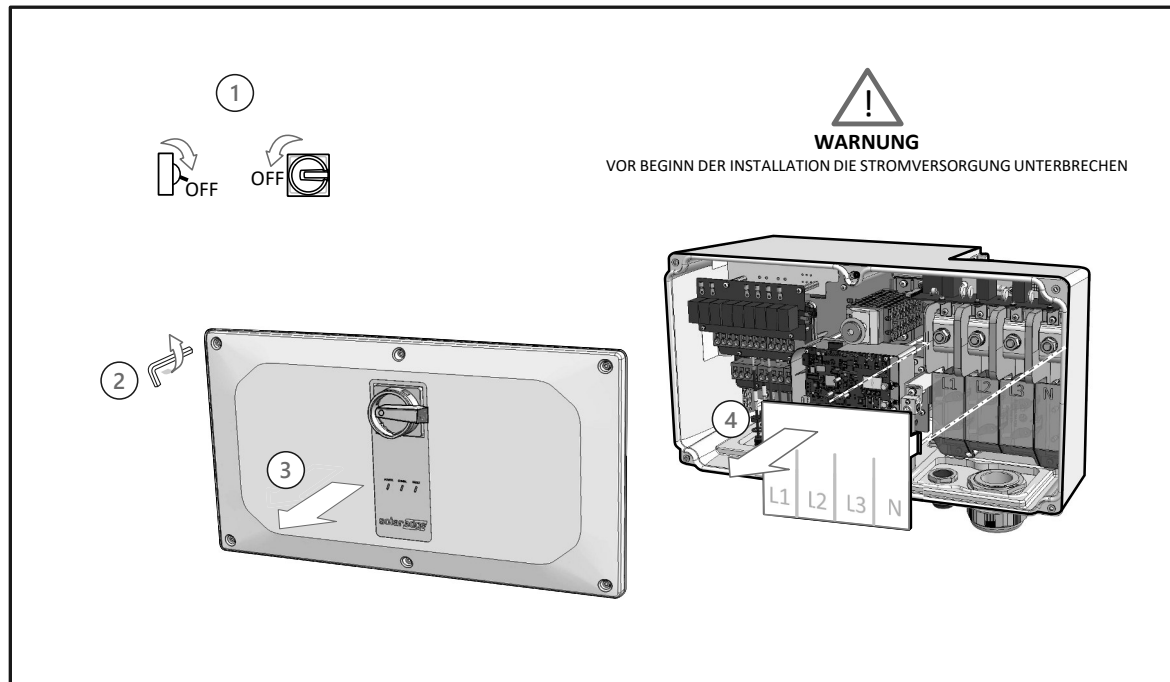


6 Anschließen der Verbindungs-Kabel

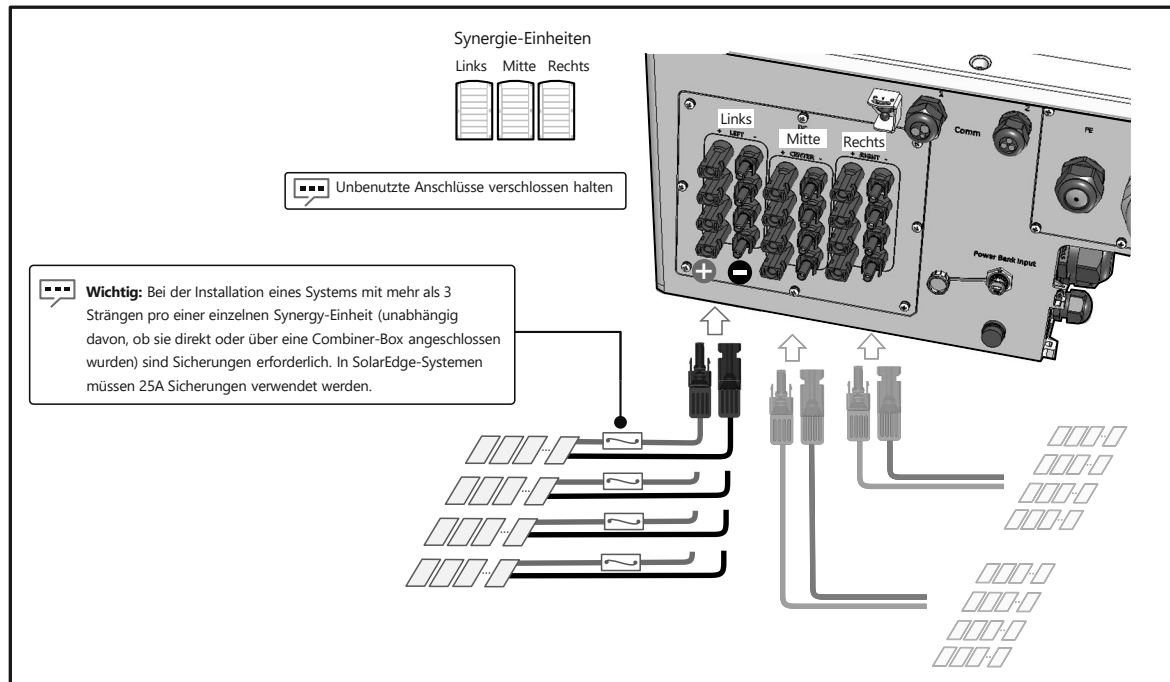


Entfernen der Abdeckungen

7

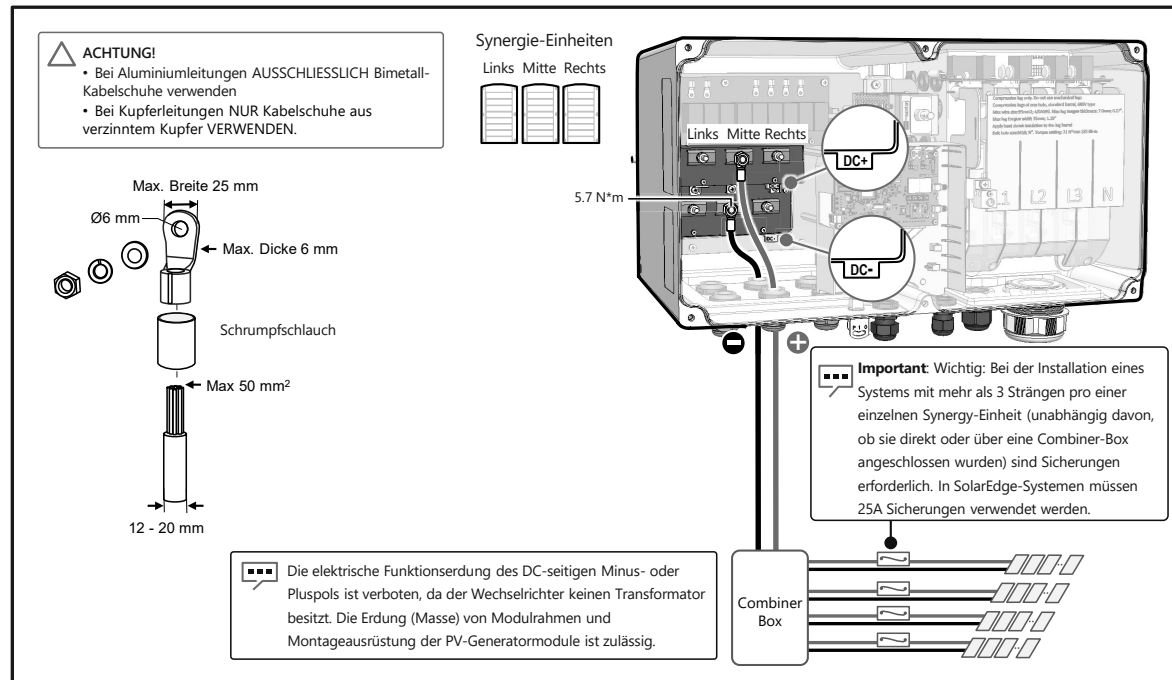


8 Anschließen der PV-Stränge



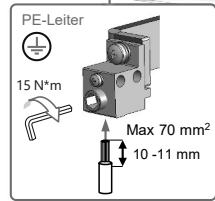
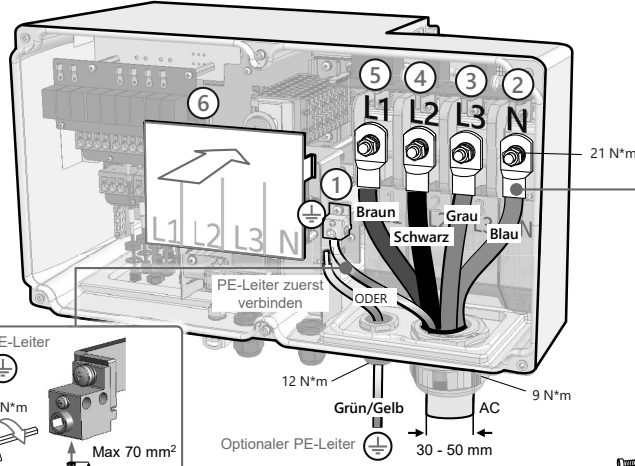
Anschluss von PV-Strängen über einen einzelnen DC-Eingang

8

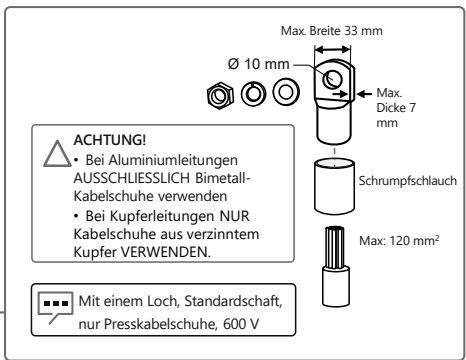


9 Anschließen von AC und Schutzerdung (PE)

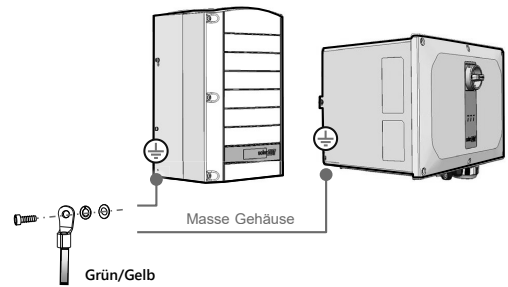
- Der Wechselrichter kann entweder 4 Kabel + PE oder 3 Kabel + PE-Anschluss unterstützen.
- Der Überstromschutz für den AC-Ausgang muss bauseitig bereitgestellt werden, weitere Informationen sind dem Handbuch zu entnehmen.

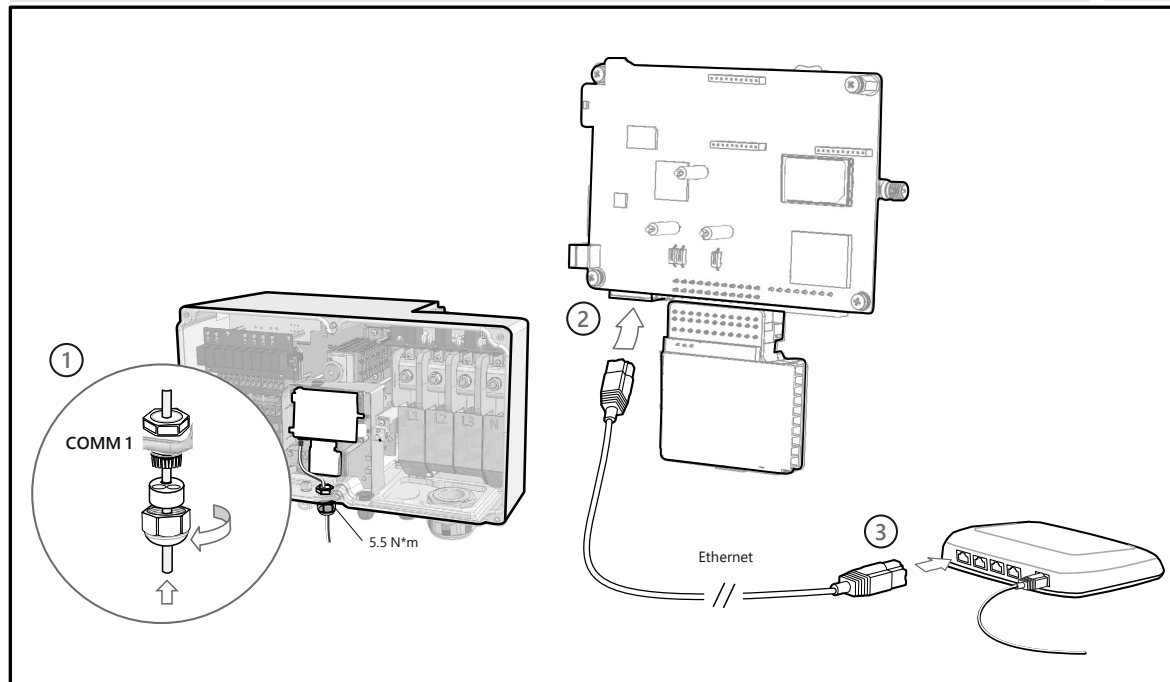


When using a stranded wire, use of ferrule is at the installer discretion

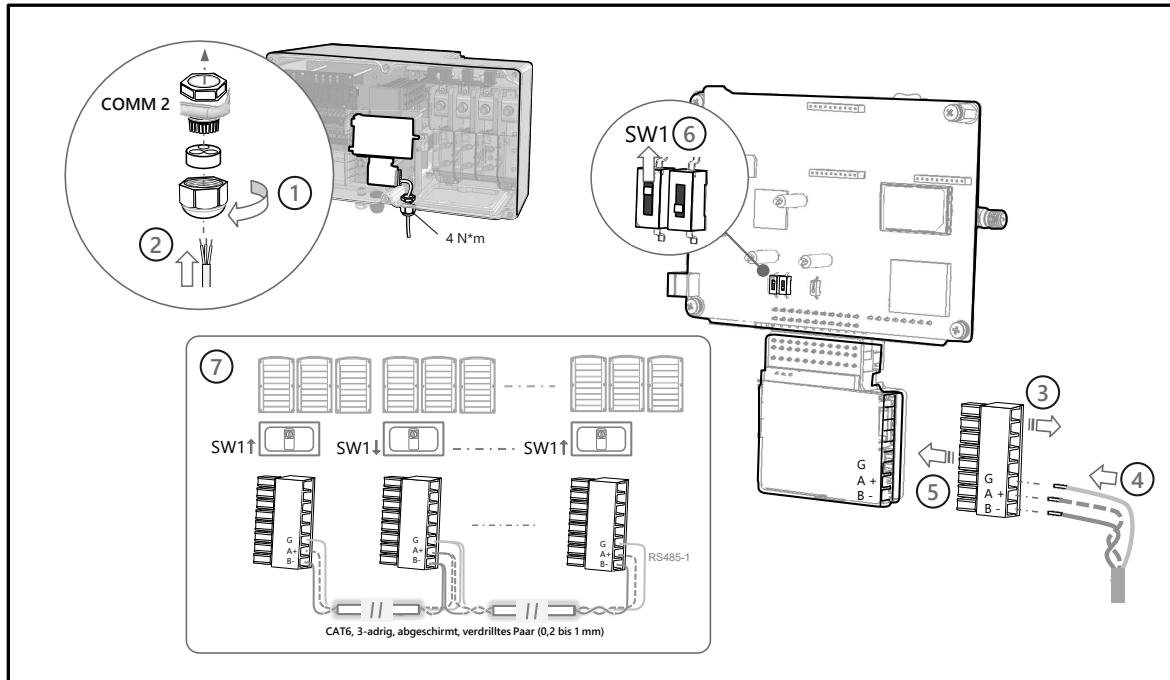


ACHTUNG!
 • Bei Aluminiumleitungen AUSSCHLIESSLICH Bimetall-Kabelschuhe verwenden
 • Bei Kupferleitungen NUR Kabelschuhe aus verzinnem Kupfer VERWENDEN.



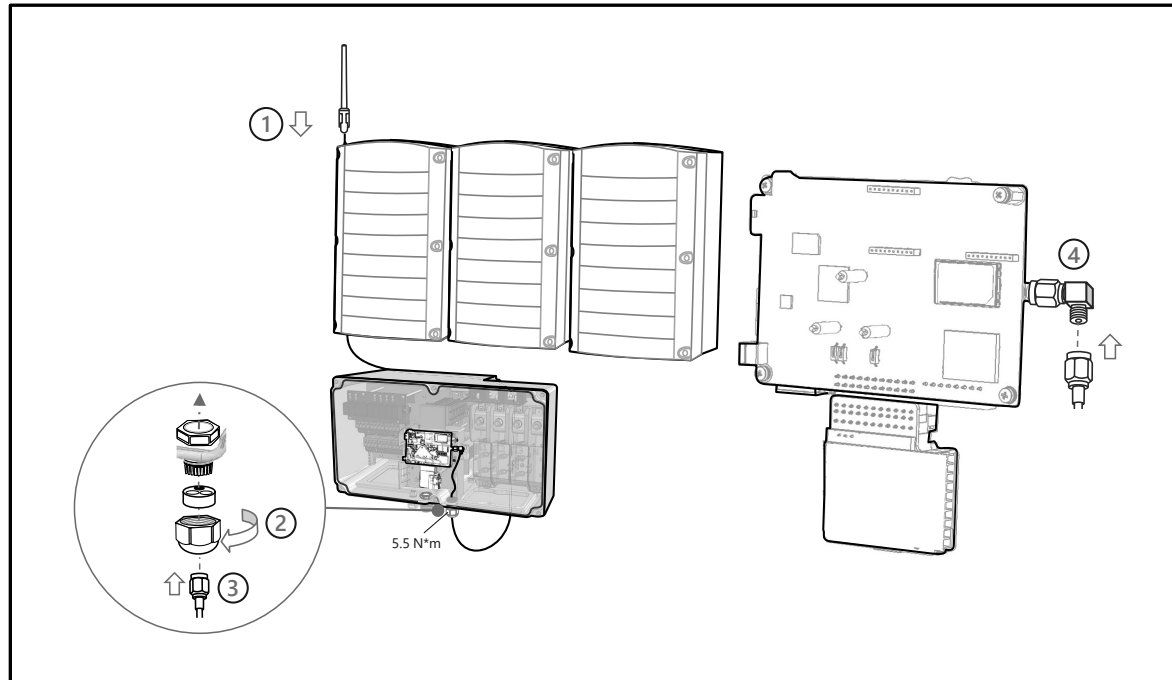
LAN-Verbindung **10**

11 RS485-Verbindung mit mehreren Wechselrichtern

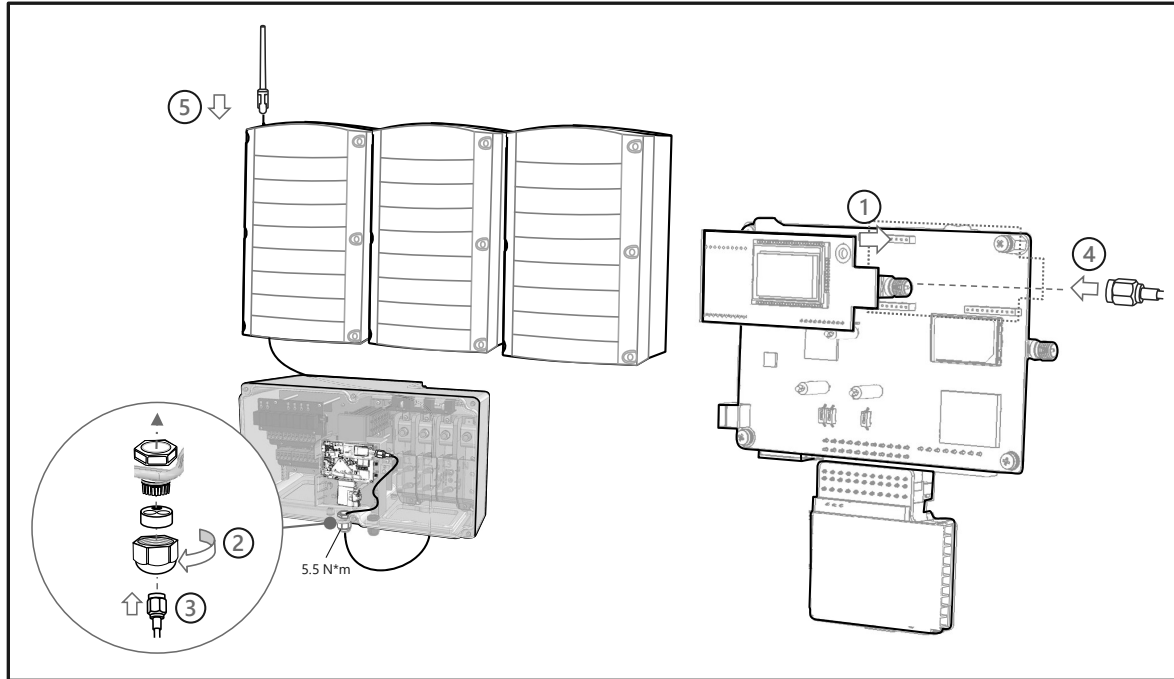


Verbindung der WLAN-Kommunikation (optional)

12

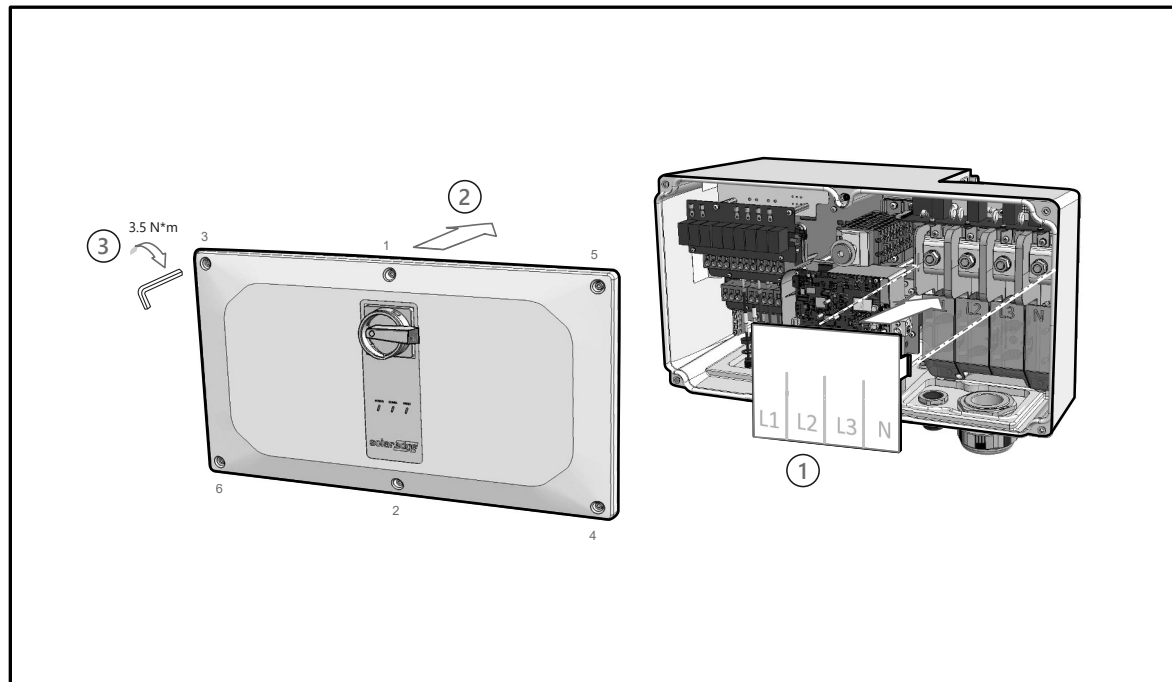


13 Verbindung über Mobilfunk (optional)

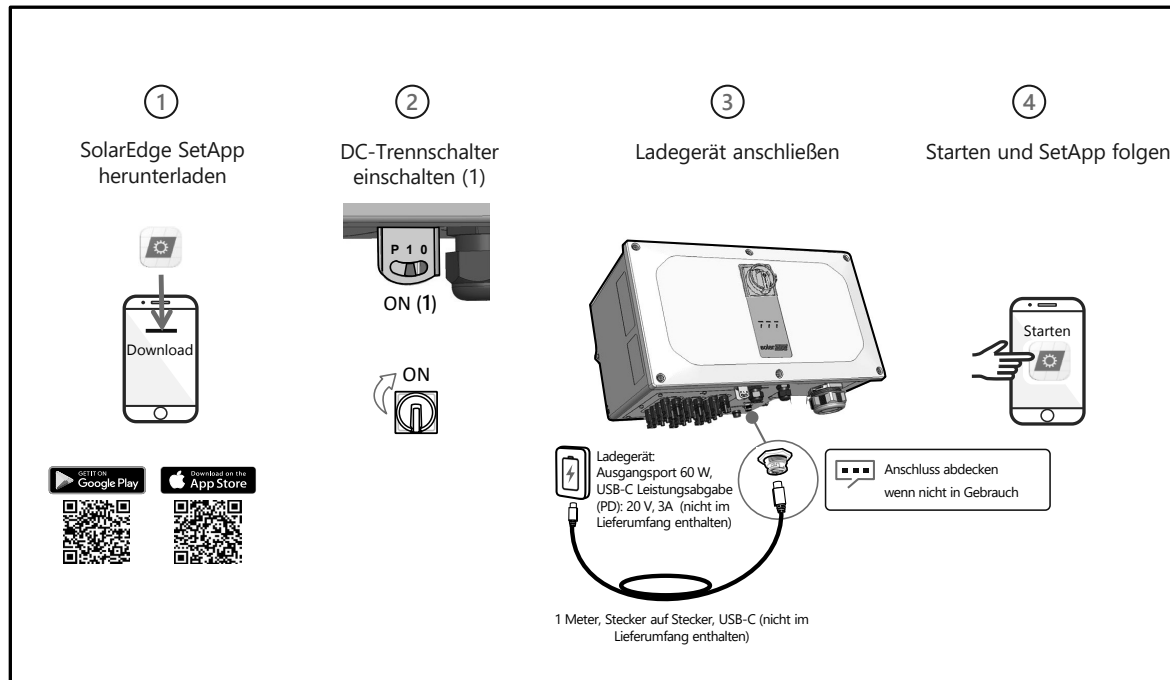


Anbringen der Abdeckungen

14

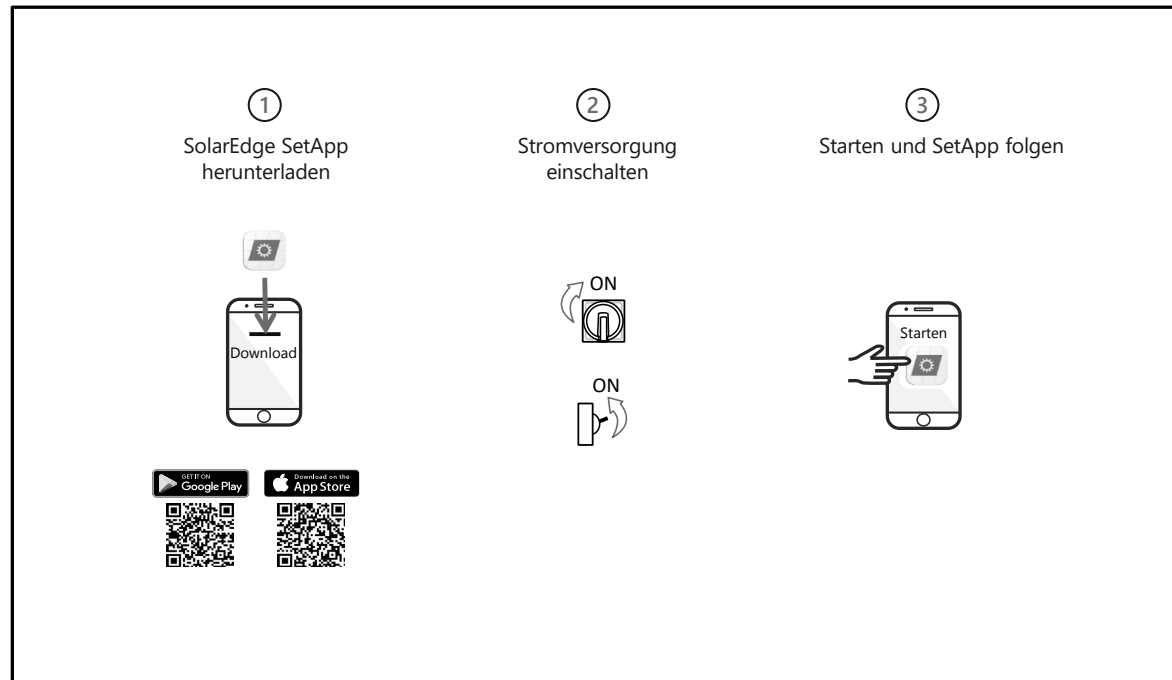


Vorab-Inbetriebnahme, wenn noch nicht an das AC-Netz angeschlossen (Option 1)



Inbetriebnahme mit DC- und AC-Leistung (Option 2)

16



17 Inbetriebnahme des Primär-Wechselrichters

1 Land und Sprache >

2 Kopplung >

3 Anlagenkommunikation >

4 Status >

RS485-1 → Protokoll → SolarEdge → SolarEdge Primärgerät

RS485-1 → Sekundärgerät(e) erkennen

Anlage		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/0
Wechselrichter		
Power 100kW	Voltage 277 V _{ac}	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Wechselrichter-Einheiten		
Left SN 07318000	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 V _{dc}	Voltage 850 V _{dc}	Voltage 850 V _{dc}
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kWh	Isolation 100 kWh	Isolation 100 kWh

LEISTUNG KOMM FEHLER

Grün Blau Rot



Das System erzeugt Strom



AC ist eingeschaltet, die Anlage erzeugt jedoch keinen Strom



Der Wechselrichter hat eine Verbindung zur Monitoring-Plattform und überträgt Daten



Systemfehler

The SolarEdge logo is displayed in white text on a black background. The word "solar" is in a lowercase sans-serif font, and "edge" is in a lowercase sans-serif font with a white horizontal bar through the middle of the letters 'e' and 'd'.

solar**edge**

Support-Kontaktinformationen

Wenden Sie sich bei technischen Fragen zu
SolarEdge-Produkten bitte an uns:

<https://www.solaredge.com/de/service/support>

Änderungen ohne Vorankündigung vorbehalten.
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März 2021.

solar**edge**

3-fase omvormer met synergie technologie

Snelle installatiehandleiding

PN: SExxK-xxxxlxxxx

Voor Europa, APAC
en Zuid-Afrika
Versie 1.3

Legenda



OPMERKING

Dit symbool staat voor informatie die bedoeld is om de gebruiker te helpen het product optimaal te gebruiken.



Dit symbool staat bij aardingspunten op SolarEdge handleidingen en apparaten.



LET OP!

Wijst op een gevaar. Het vraagt om uw aandacht voor een procedure die, wanneer niet goed uitgevoerd of nageleefd, kan leiden tot schade aan of destructie van het product. Ga nooit voorbij aan een dergelijke melding voordat u de vermelde voorwaarden volledig begrijpt en naleeft.



ON



OFF

Schakel de netstroomschakelaar van het hoofdpaneel AAN/UIT en wacht vijf minuten



WAARSCHUWING!

Wijst op een gevaar. Het vraagt om uw aandacht voor een procedure die, wanneer niet goed uitgevoerd of nageleefd, kan leiden tot letsel of tot de dood. Ga nooit voorbij aan een waarschuwing melding voordat u de vermelde voorwaarden volledig begrijpt en naleeft.



ON



OFF

Schakel de DC-veiligheidsschakelaar van Synergy Manager AAN/UIT en wacht vijf minuten (Alleen van toepassing op modellen met een DC-veiligheidsschakelaar)



Knip geen kabelconnectors door

BEWAAR DEZE INSTRUCTIES - Deze handleiding bevat belangrijke instructies voor de 3-fase omvormer die moeten worden opgevolgd tijdens installatie en onderhoud. Gebruik van deze apparatuur op een wijze die niet in dit document door SolarEdge wordt gespecificeerd, kan afbreuk doen aan de bescherming die door deze apparatuur wordt geboden.

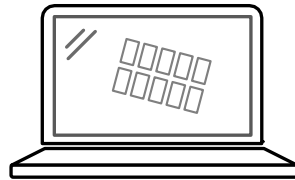
Installatie van de optimizers

1

① → ② → ③ → ④ → ⑤ → ⑥

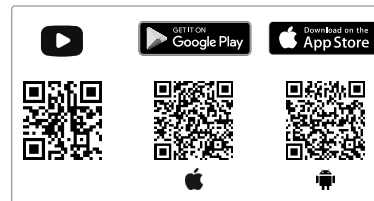
①

Gebruik de SolarEdge Designer
om een SE systeem te ontwerpen
<https://designer.solaredge.com>



②

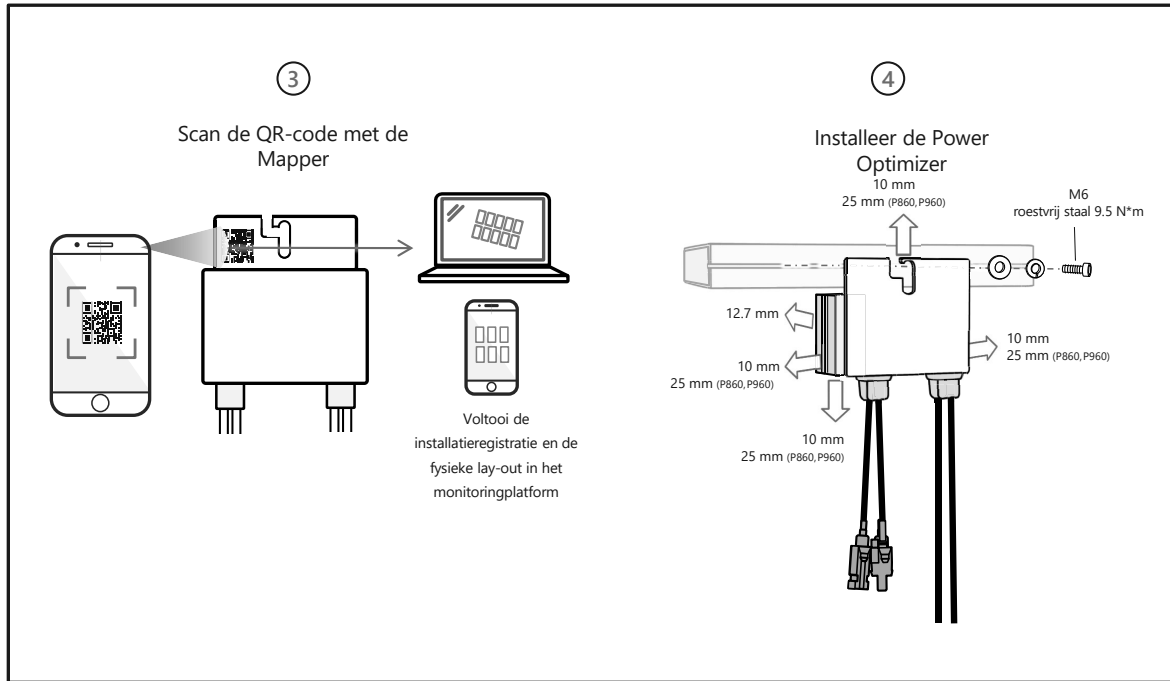
Download SolarEdge Mapper
om Power Optimizers in kaart
te brengen



1

Installatie van de optimizers

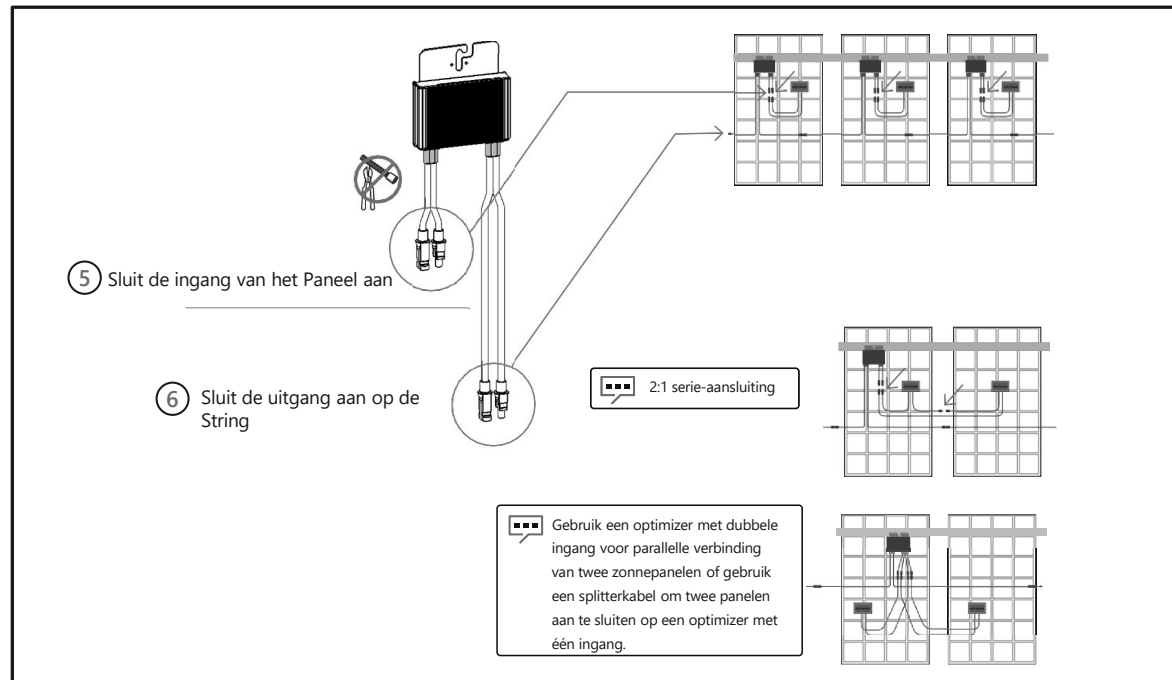
① → ② → ③ → ④ → ⑤ → ⑥



Installatie van de optimizers

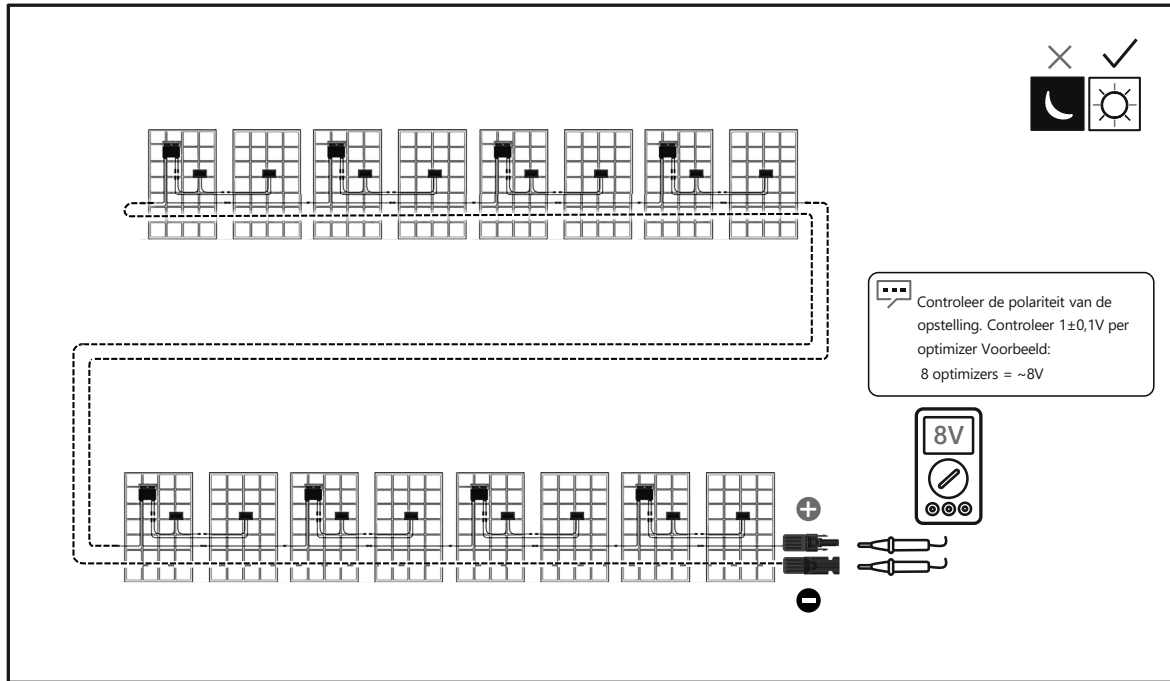
1

①→②→③→④→⑤→⑥



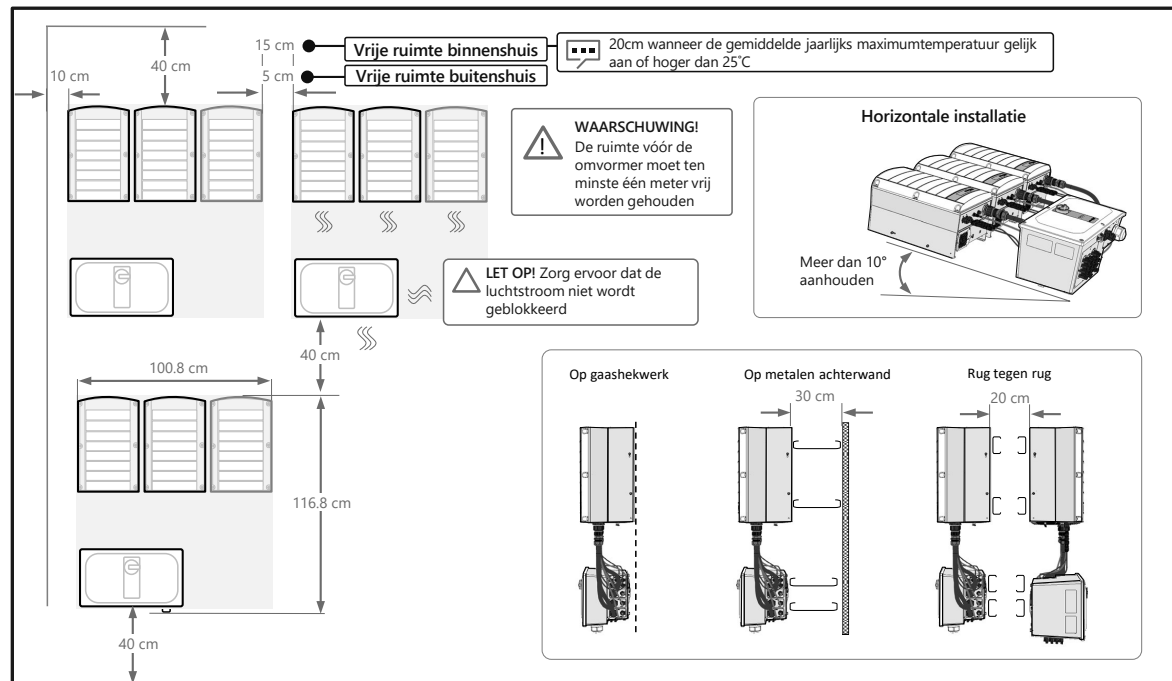
2

De PV-opstelling aansluiten

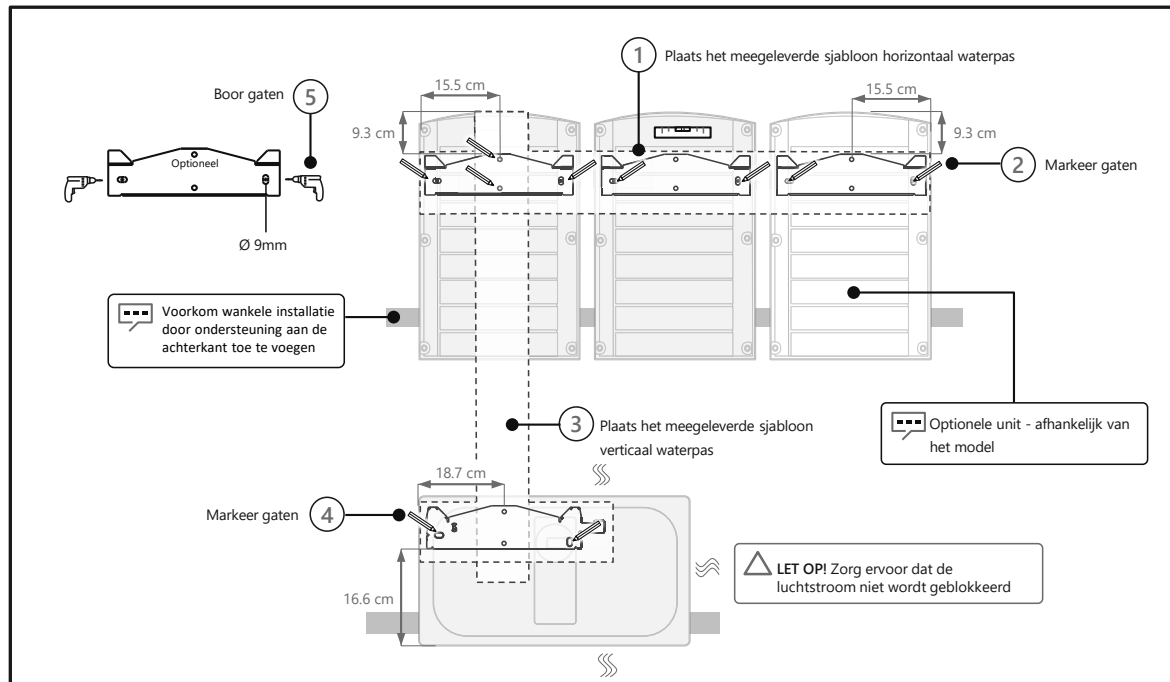


Handhaven vrije ruimte

3

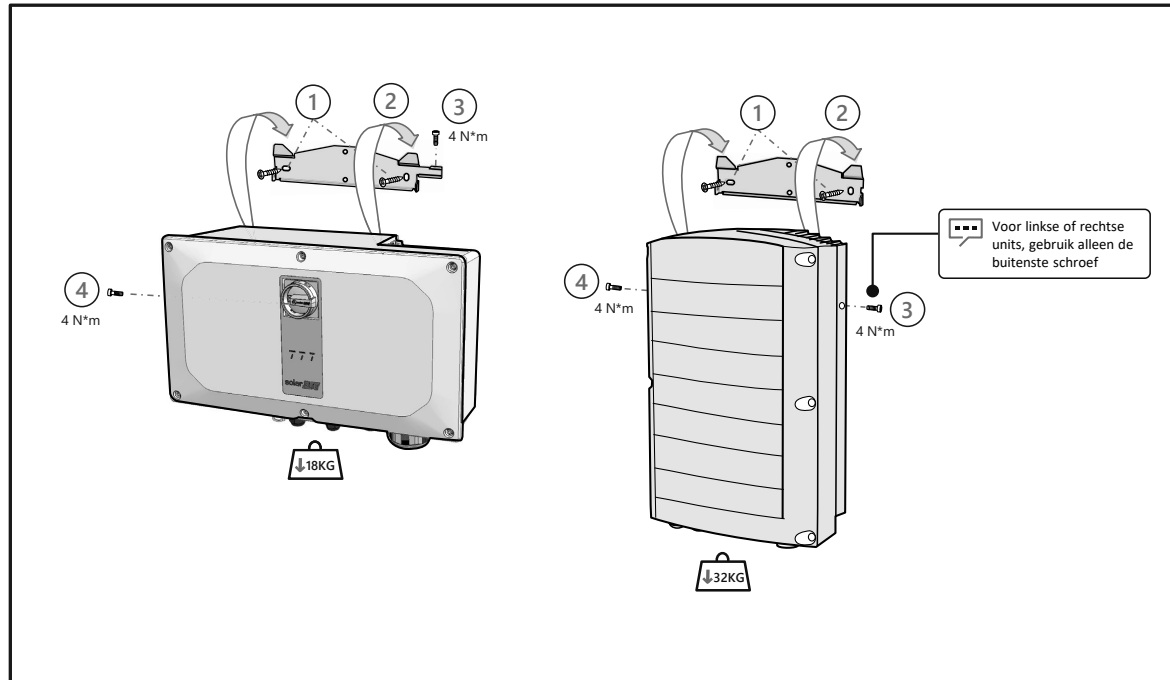


4 Markeren & boren van gaten

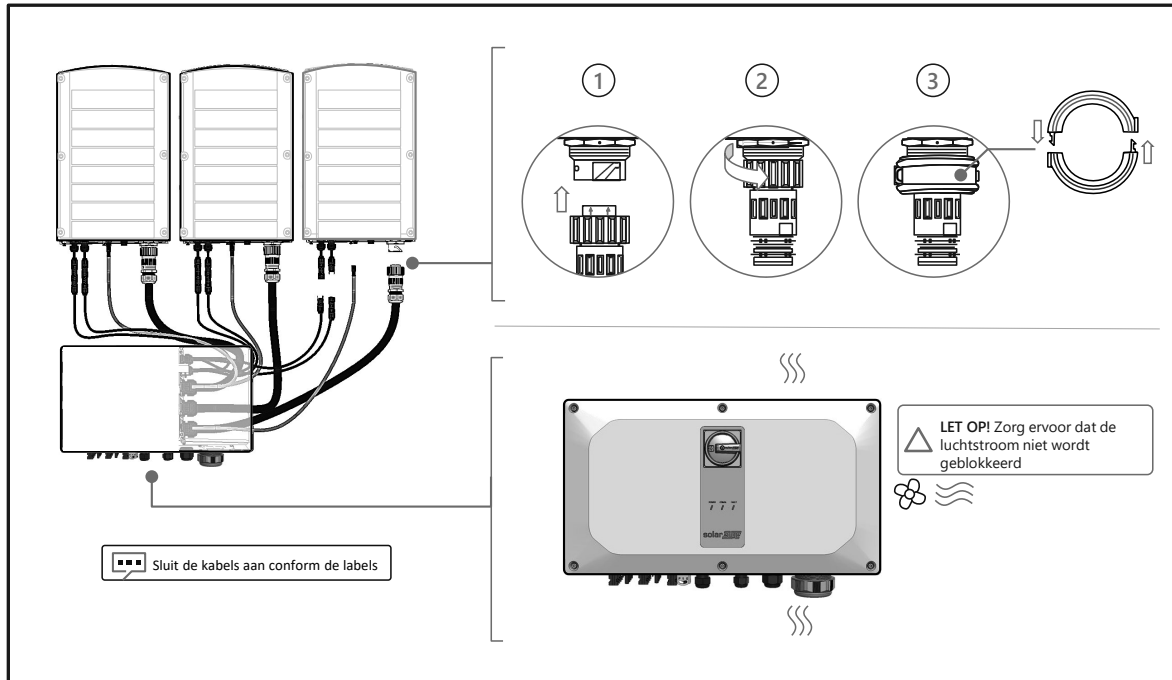


De units monteren

5

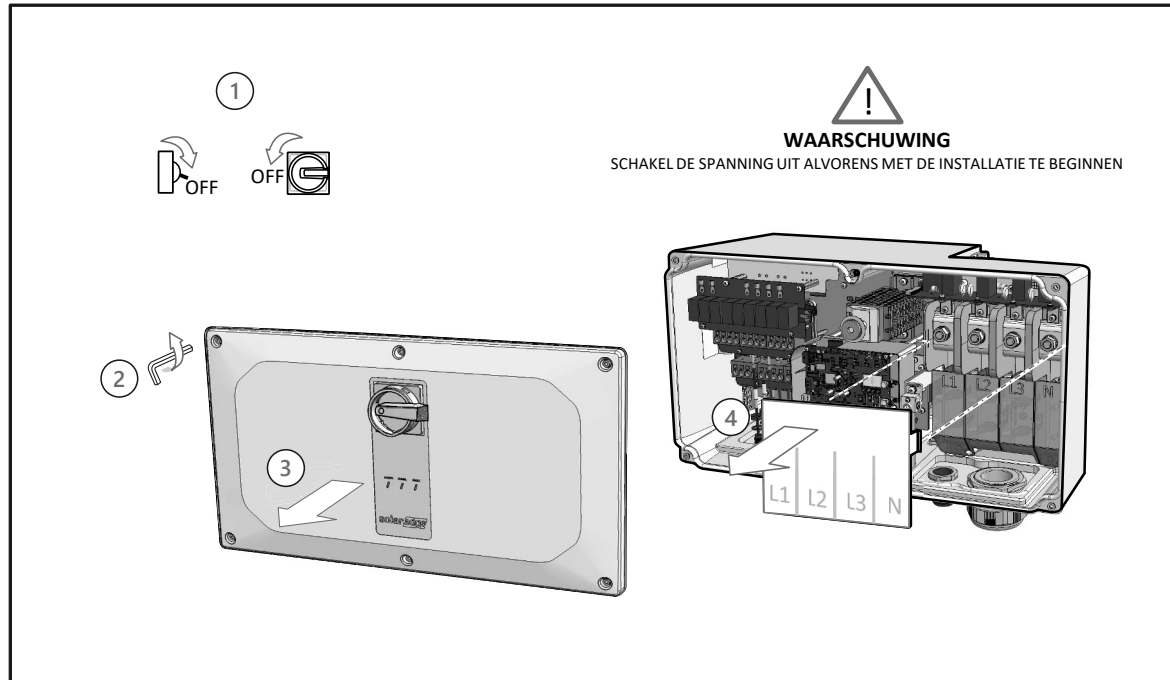


6 Verbindingskabels aansluiten

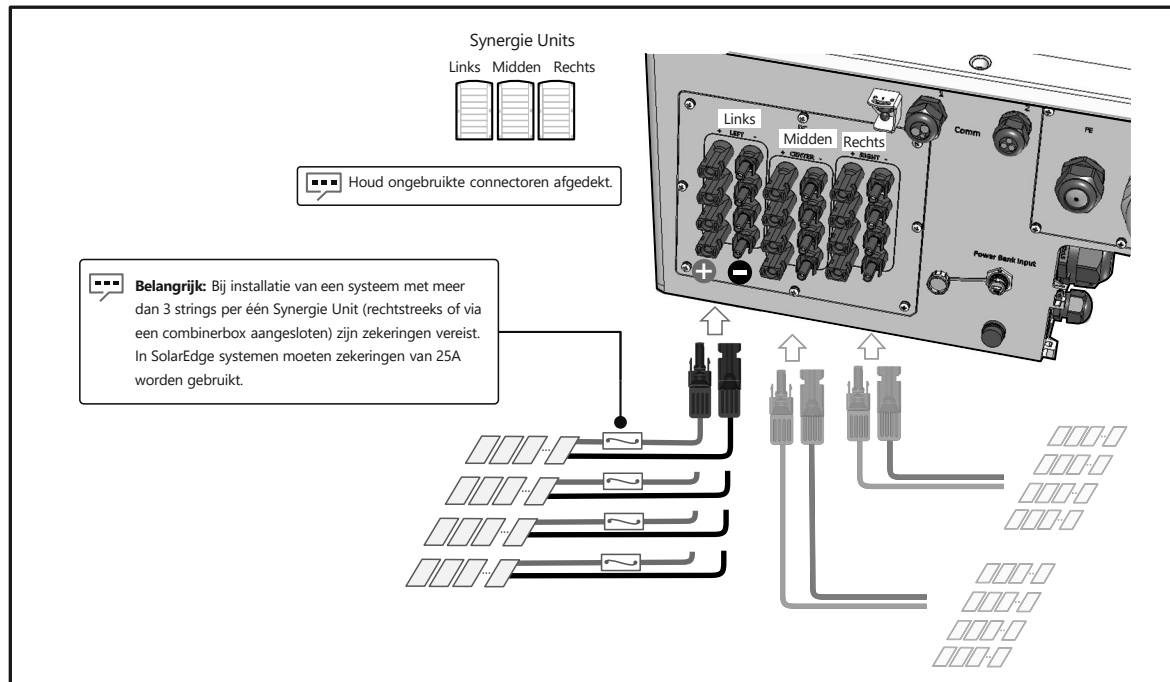


Kappen verwijderen

7

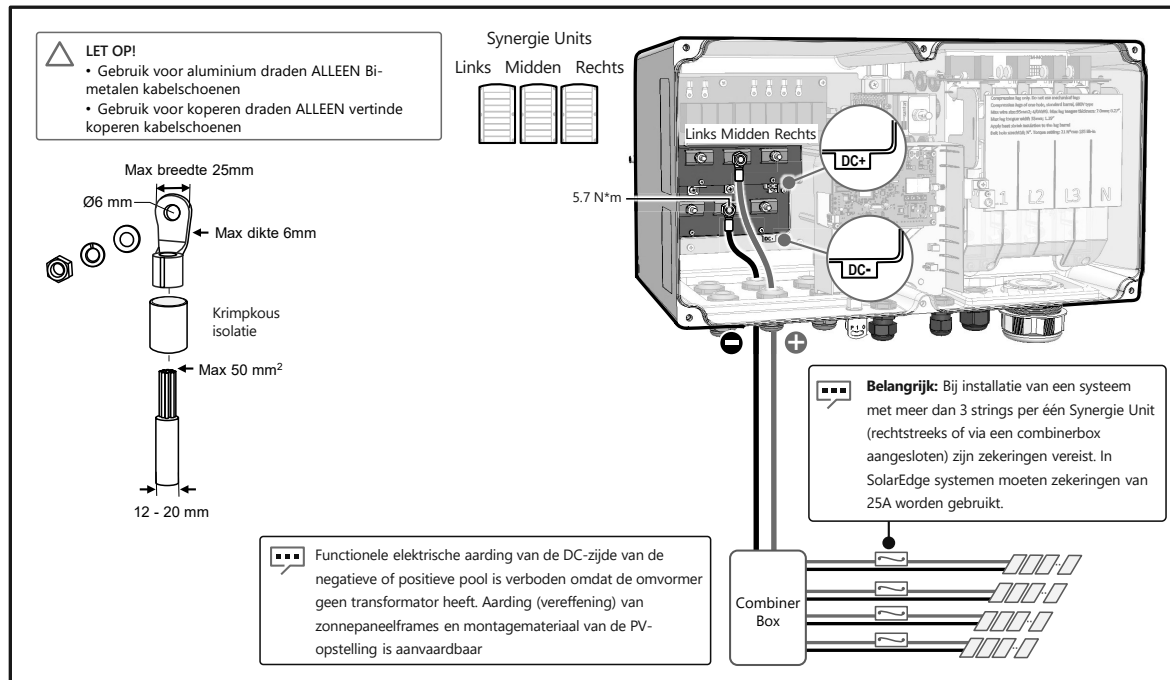


8 PV-strings verbinden

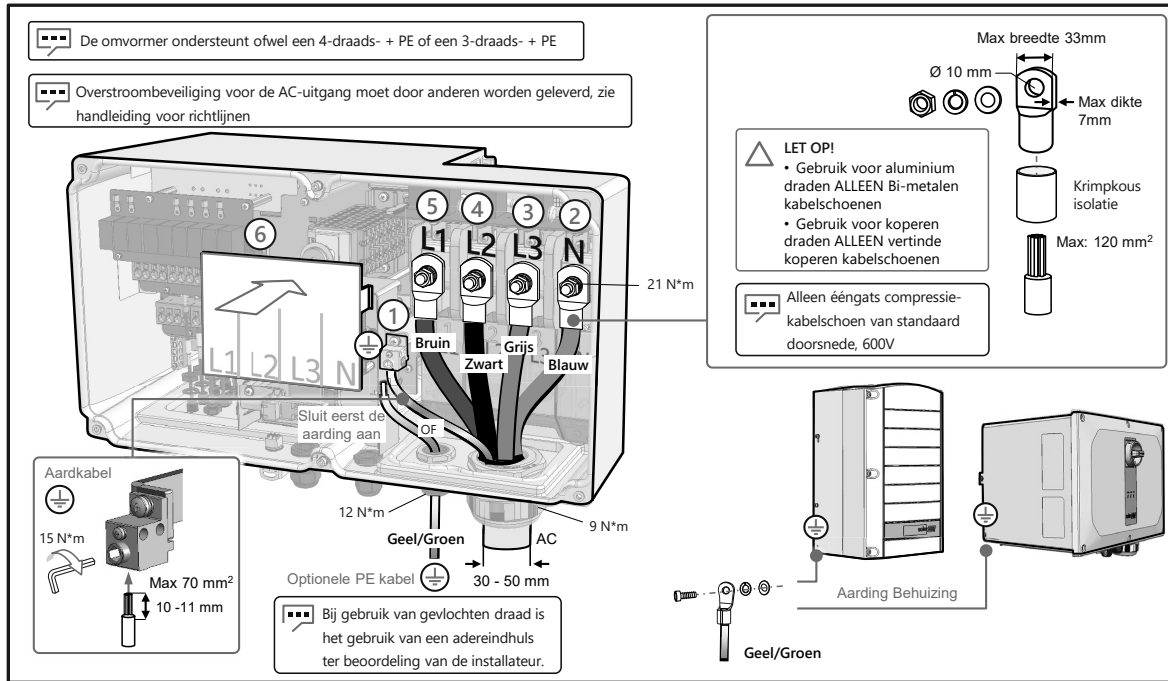


PV-strings aansluiten via één DC-ingang

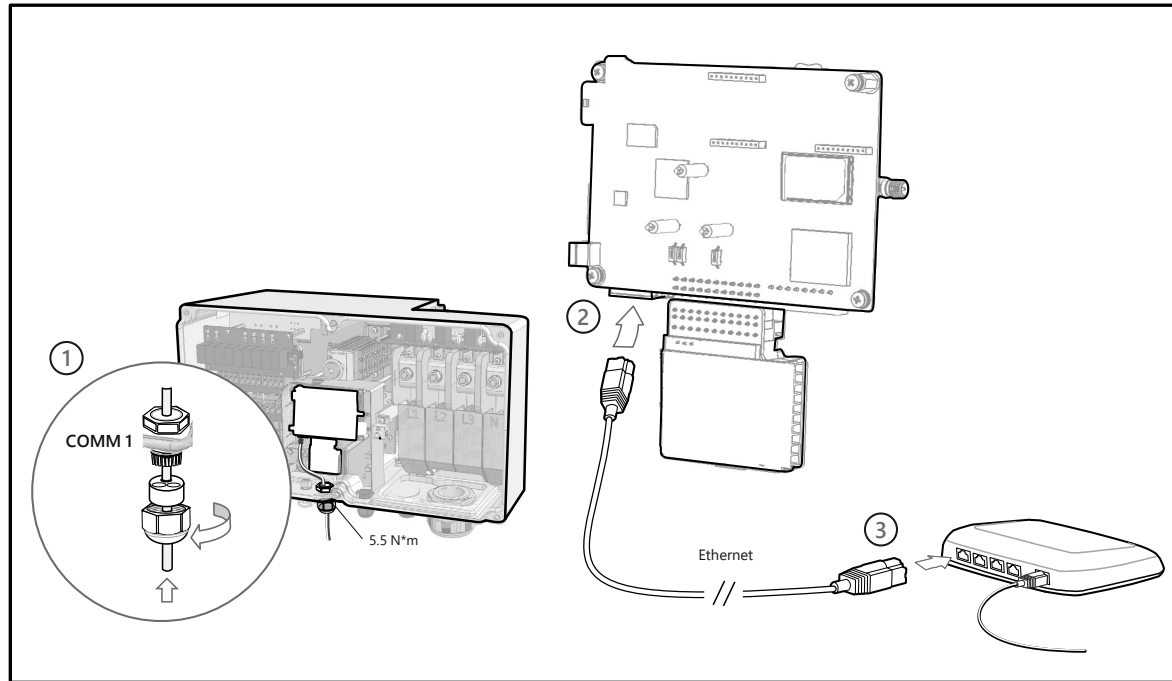
8



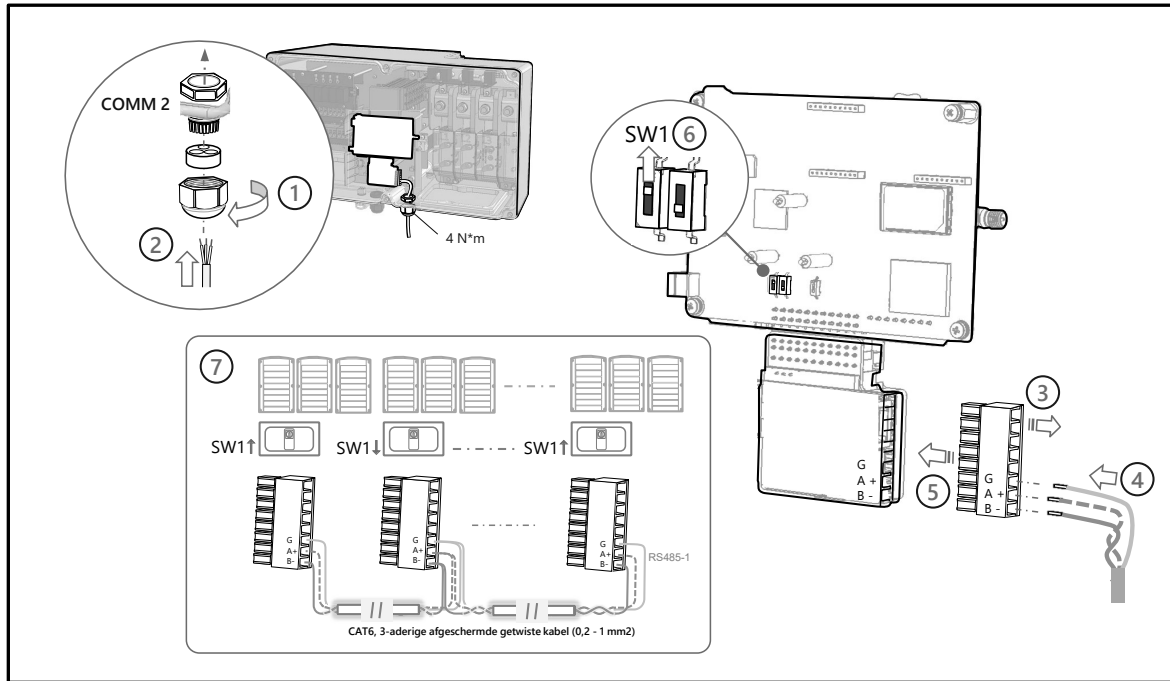
9 AC en beschermende aarde aansluiten (PE)



LAN-communicatie 10

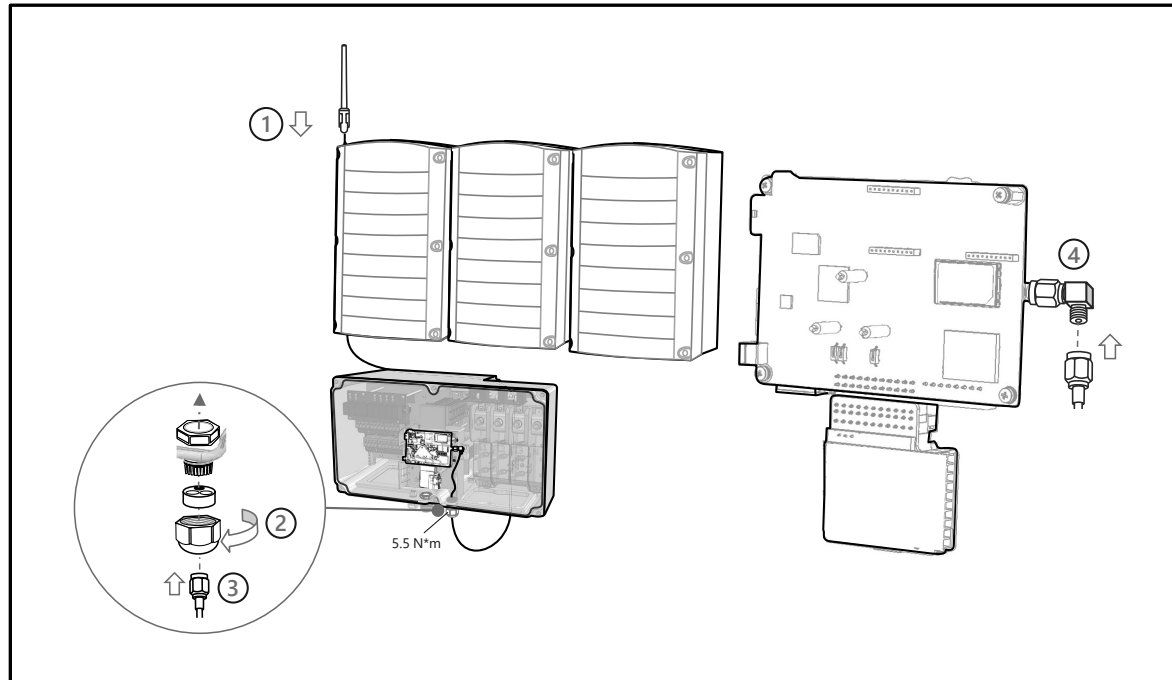


11 RS485-verbinding van meerdere omvormers

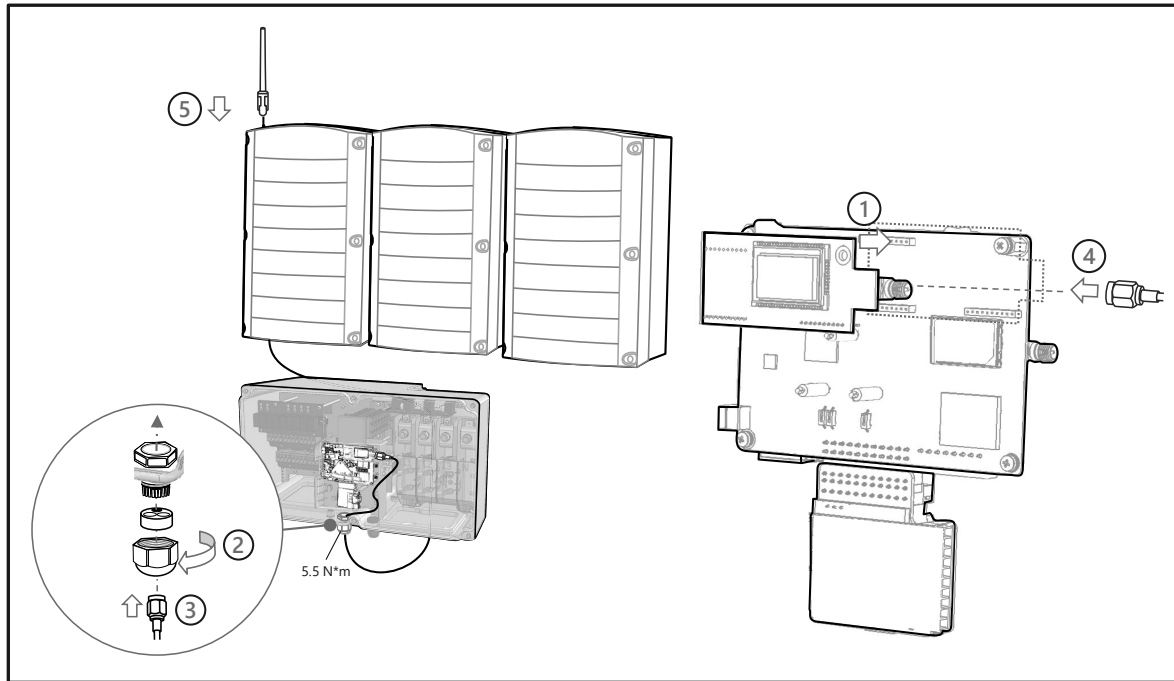


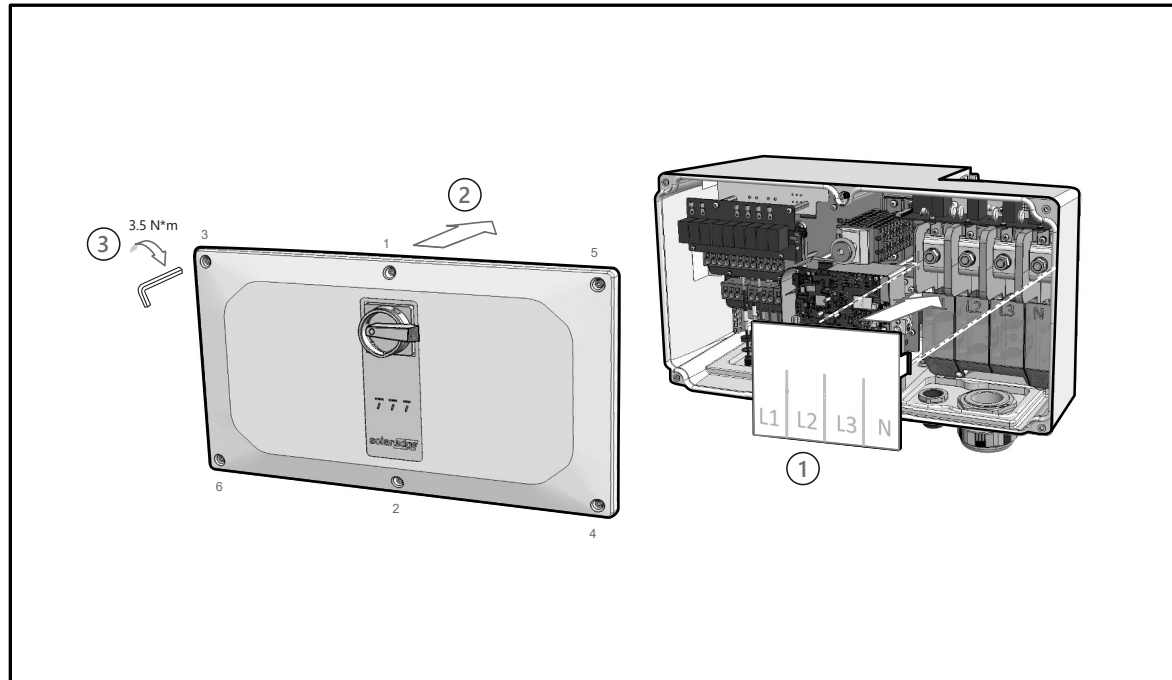
Wi-Fi Communicatie aansluiten (optioneel)

12



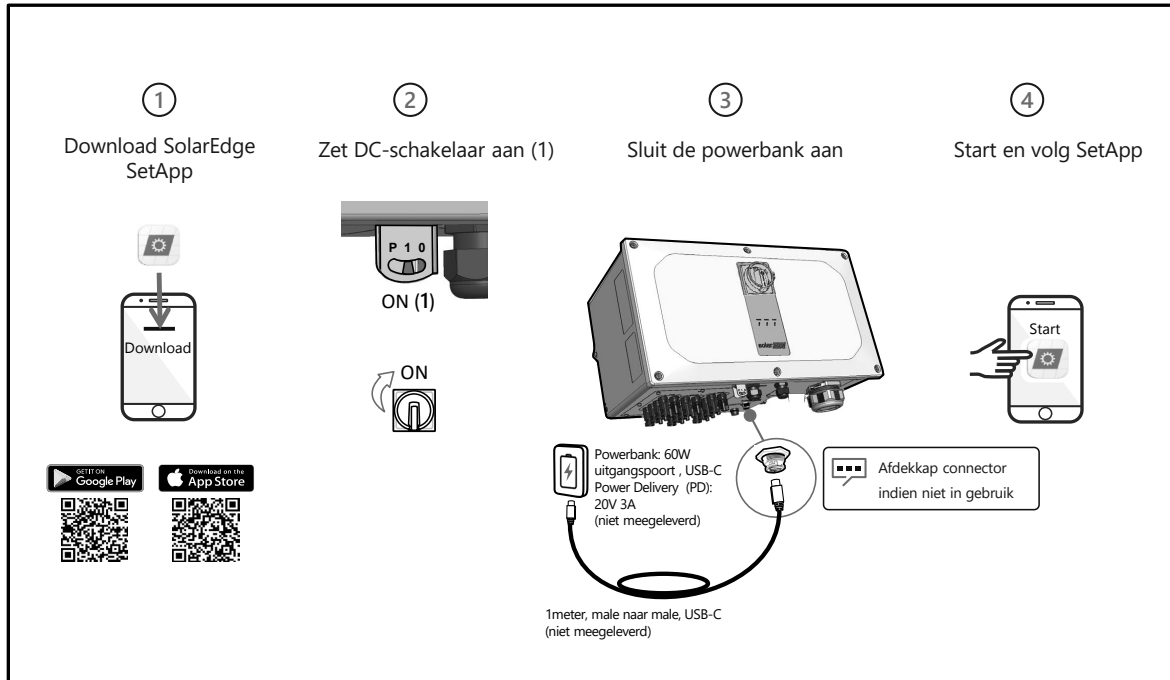
13 GSM-communicatie aansluiten (optioneel)





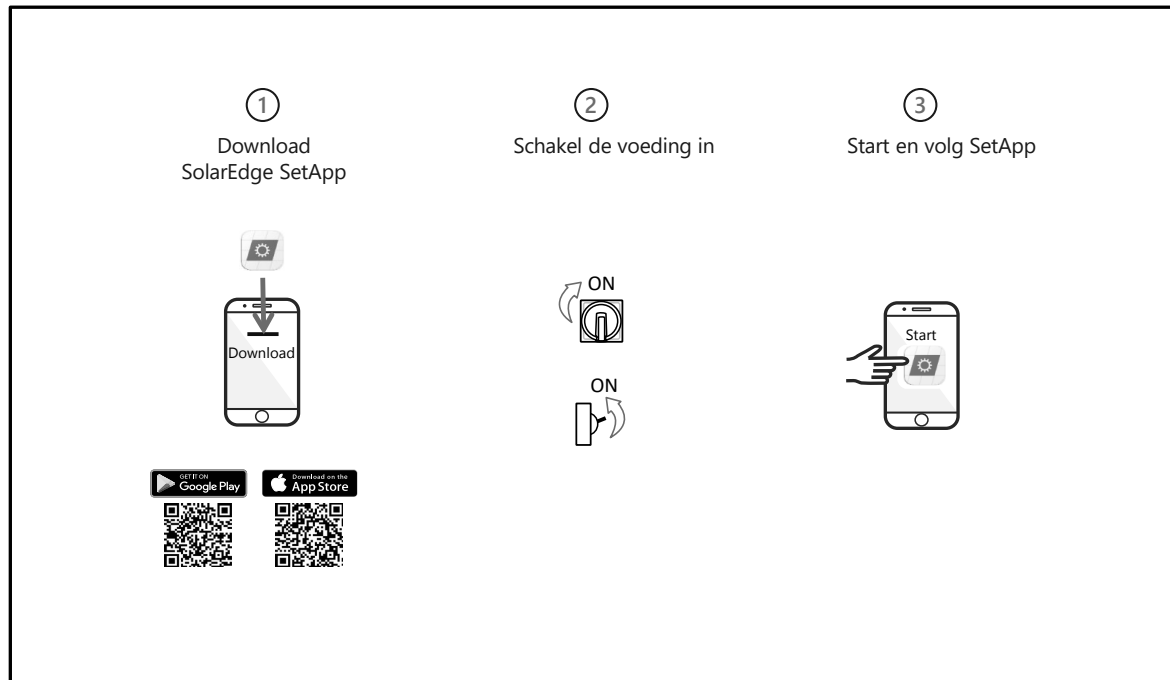
15

Pre-inbedrijfstelling wanneer AC-voeding niet is aangesloten (optie 1)



Inbedrijfstelling met DC- en AC-spanning (optie 2)

16



17 De Leider-omvormer in bedrijf stellen

1 Land & taal >

2 Aan het koppelen >

3 Site Communicatie >

4 Status >

RS485-1 → Protocol → SolarEdge → SolarEdge Leider

RS485-1 → Volger detecteren

Installatie		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/0
Omvormer		
Power 100kW	Voltage 277 V _{ac}	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Omvormer Units		
Left SN 07318000	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 V _{dc}	Voltage 850 V _{dc}	Voltage 850 V _{dc}
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

POWER	COMM	FOUT
Groen	Blauw	Rood



Het systeem produceert energie



AC is aangesloten, maar het systeem produceert geen energie



Omvormer communiceert met het monitoringplatform



Systeemfout

The SolarEdge logo is displayed in white text on a black background. The word "solar" is in a lowercase sans-serif font, and "edge" is in a lowercase sans-serif font with a white horizontal bar cutting through the middle of the letters 'e' and 'd'.

solar**edge**

Support Contact Informatie

Bij technische problemen met SolarEdge producten kunt u contact met ons opnemen:
<https://www.solaredge.com/service/support>

Wijzigingen voorbehouden zonder voorafgaande .

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solar**edge**

Onduleur triphasé à technologie synergétique

Guide d'installation rapide

PN: SExxK-xxxxlxxxx

Pour l'Europe, la région
Asie Pacifique et l'Afrique
du Sud

Version 1.3

Légende



REMARQUE

Ce symbole indique que les informations ont pour but d'aider l'utilisateur à optimiser son utilisation du produit.



ATTENTION!

Indique un danger. Ce symbole attire l'attention sur une procédure qui, si elle n'est pas correctement effectuée ou respectée, peut entraîner des dommages ou la destruction du produit. Ne passez pas au-delà d'un signe d'attention jusqu'à ce que les conditions indiquées soient pleinement comprises et respectées.



AVERTISSEMENT!

Indique un danger. Ce symbole attire l'attention sur une procédure qui, si elle n'est pas correctement effectuée ou respectée, peut entraîner des blessures ou le décès. N'allez pas au-delà d'une note d'avertissement tant que les conditions indiquées ne sont pas pleinement comprises et respectées.



Ne coupez pas les connecteurs du câble



Ce symbole apparaît aux points de mise à la terre sur l'équipement et dans les manuels SolarEdge.



ON



OFF

Mettez l'interrupteur CA de la carte de circuit principale sur ON/OFF et attendez 5 minutes



ON



OFF

Mettez l'interrupteur de sécurité CC du Synergy Manager sur ON/OFF et attendez 5 minutes
(Applicable uniquement aux modèles équipés d'un interrupteur de sécurité DC)

CONSERVEZ CES INSTRUCTIONS – Ce manuel contient des instructions importantes pour l'Onduleur triphasé qui doivent être respectées pendant l'installation et la maintenance. L'utilisation de cet équipement d'une manière non spécifiée dans ce document par SolarEdge peut altérer la protection fournie par cet équipement.

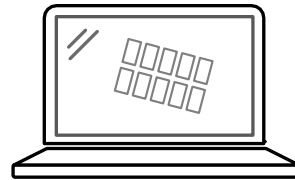
Installation des optimiseurs

1

① → ② → ③ → ④ → ⑤ → ⑥

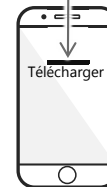
①

Utiliser SolarEdge Designer
pour concevoir des systèmes SE
<https://designer.solaredge.com>



②

Télécharger SolarEdge Mapper
pour cartographier des
optimiseurs de puissance

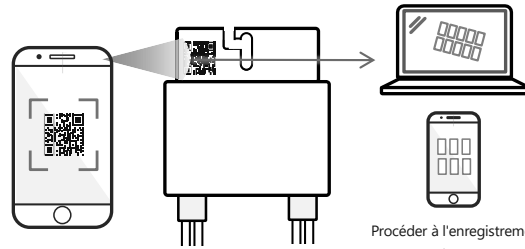


1 Installation des optimiseurs

① → ② → ③ → ④ → ⑤ → ⑥

③

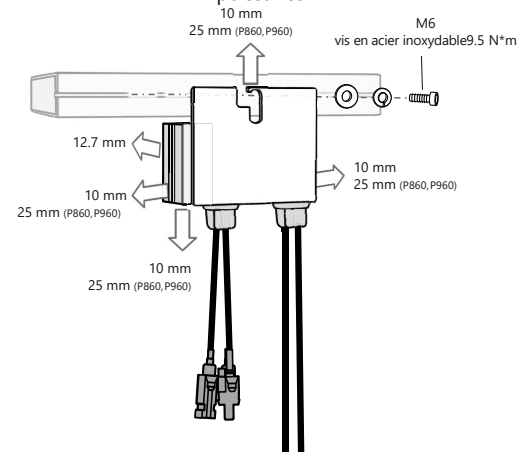
Scanner le Code QR avec Mapper



Procéder à l'enregistrement du site et à l'agencement physique sur la plateforme de supervision

④

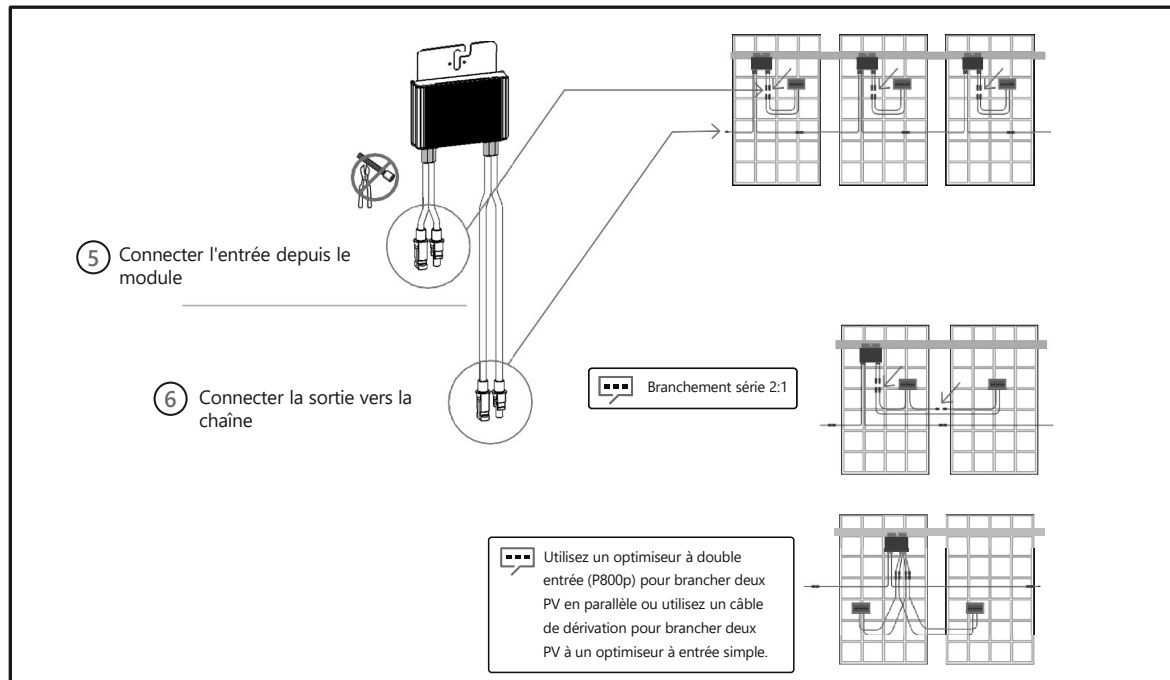
Installer l'optimiseur de puissance



Installation des optimiseurs

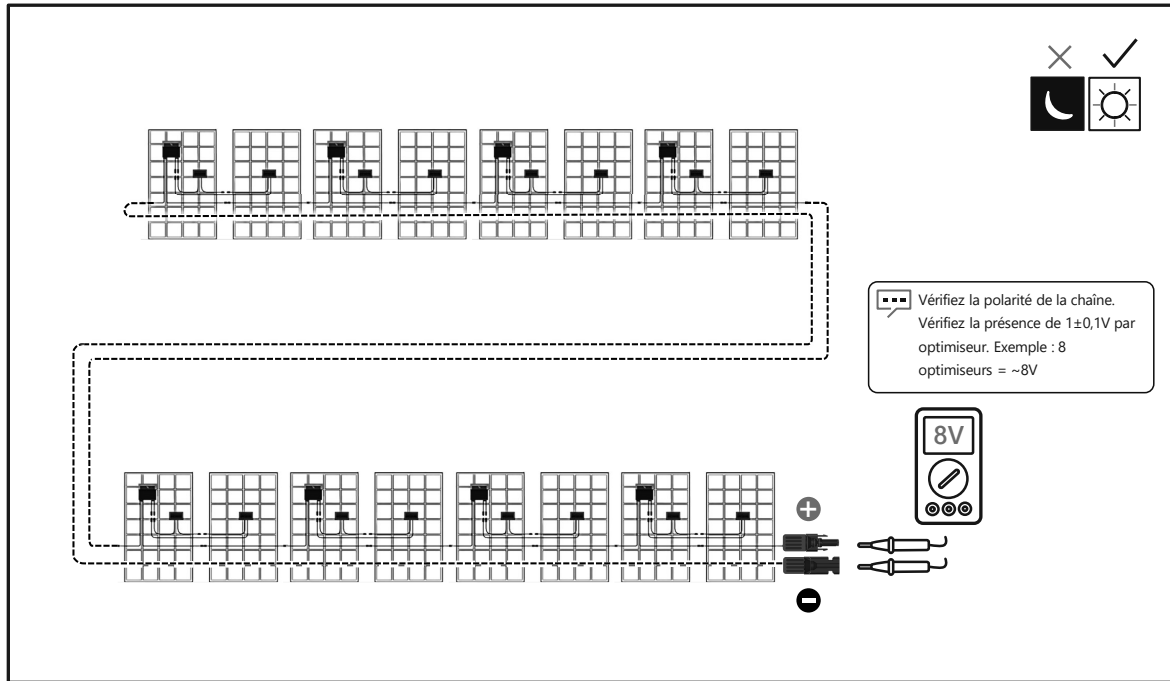
1

① → ② → ③ → ④ → ⑤ → ⑥



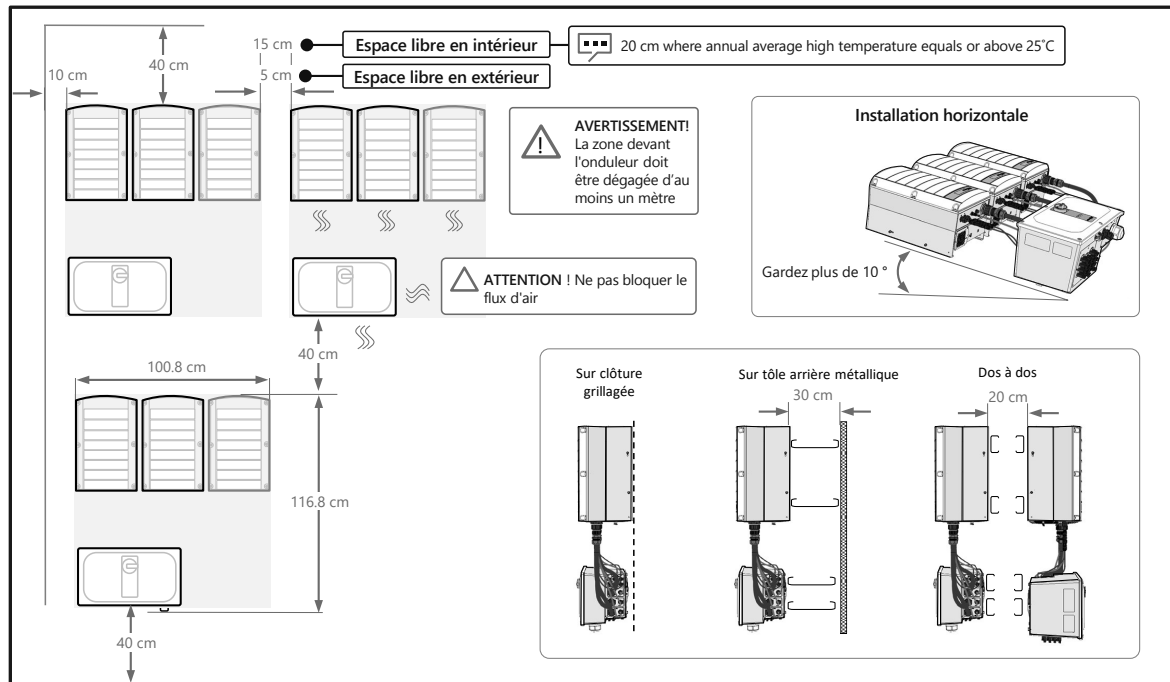
2

Branchement de la chaîne de PV

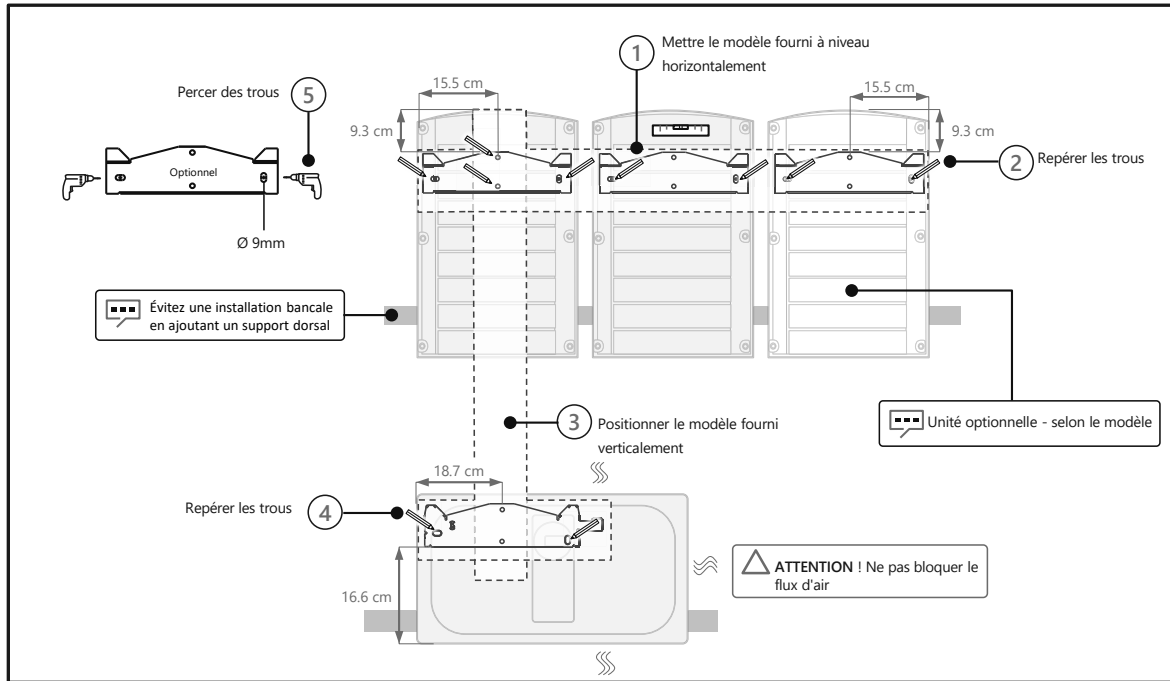


Maintien d'un espace libre

3

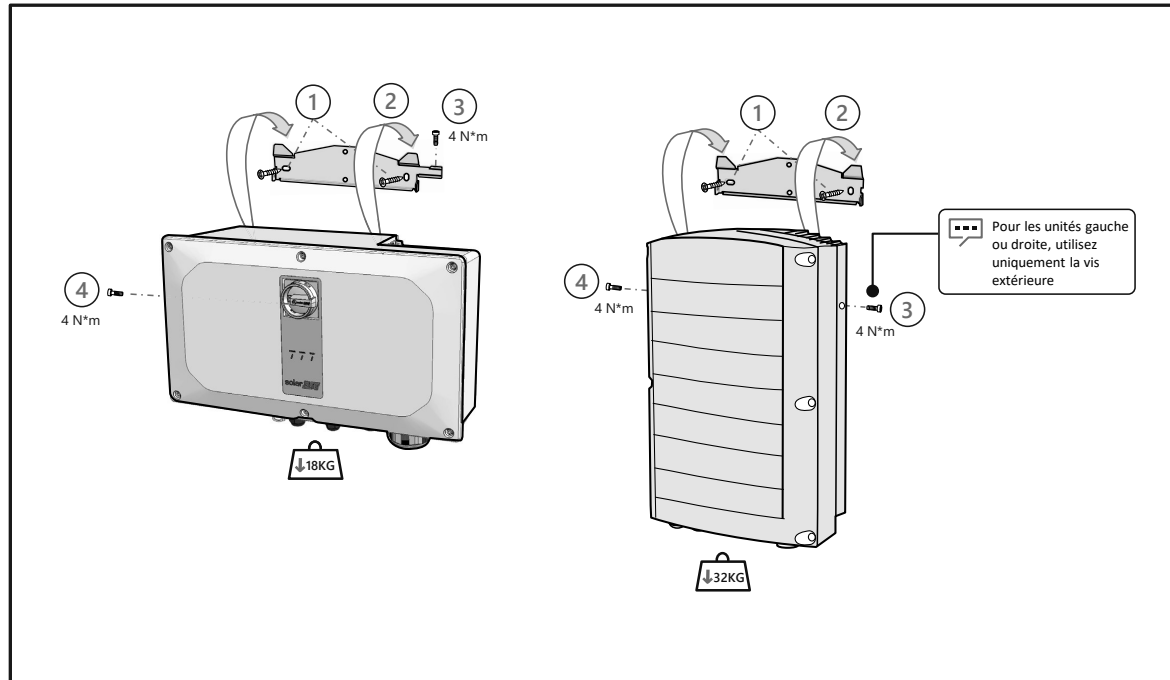


4 Repérage et marquage des trous

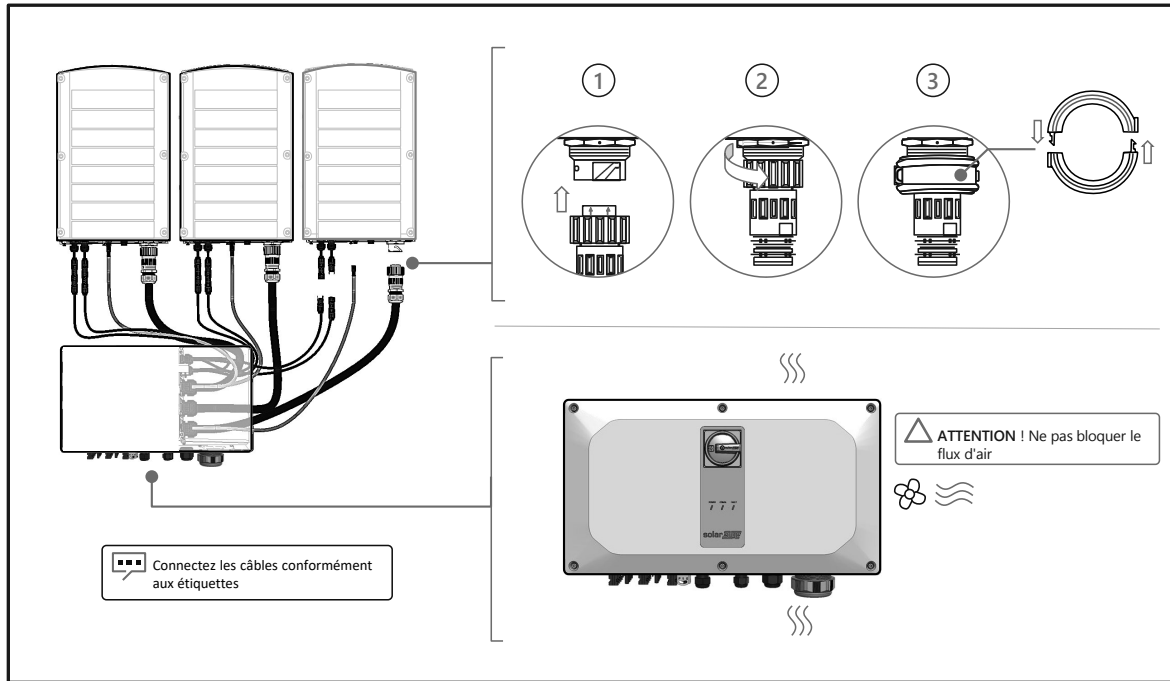


Montage des unités

5

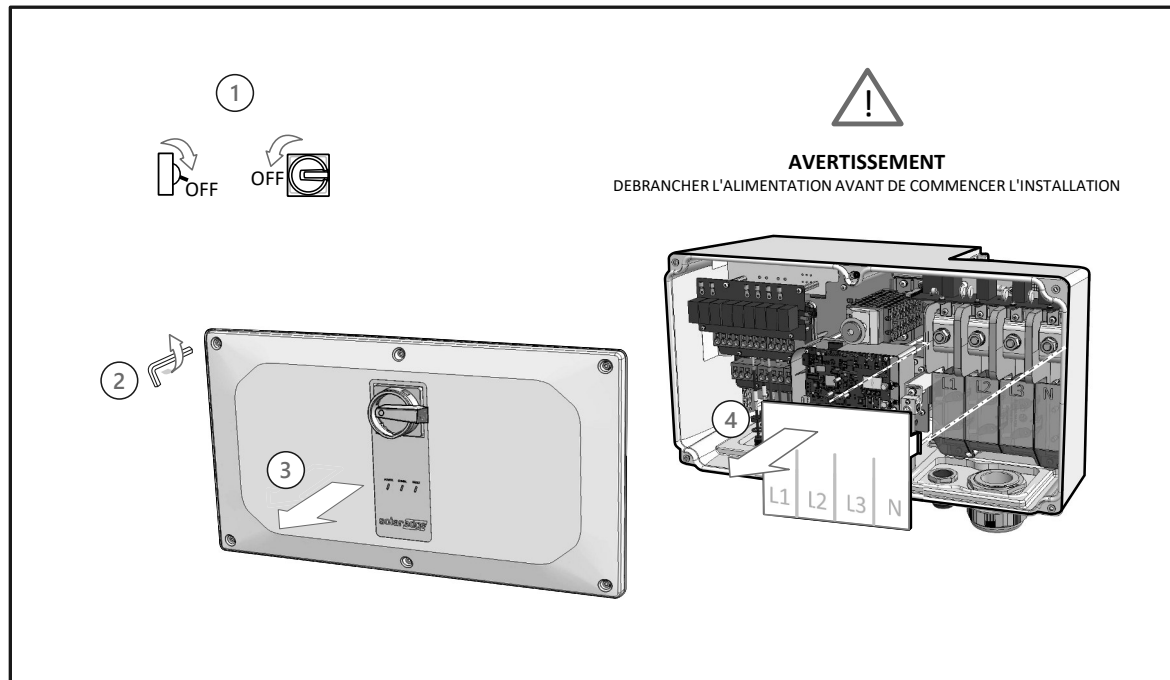


6 Branchement des câbles d'interconnexion



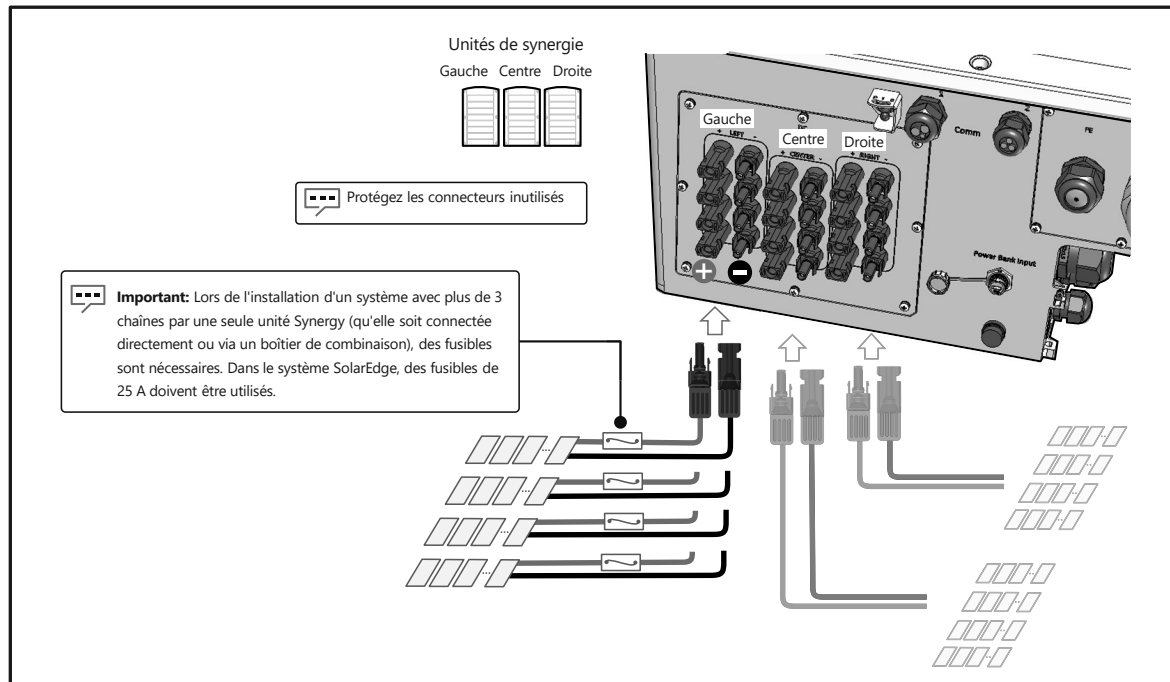
Retrait des couvercles

7



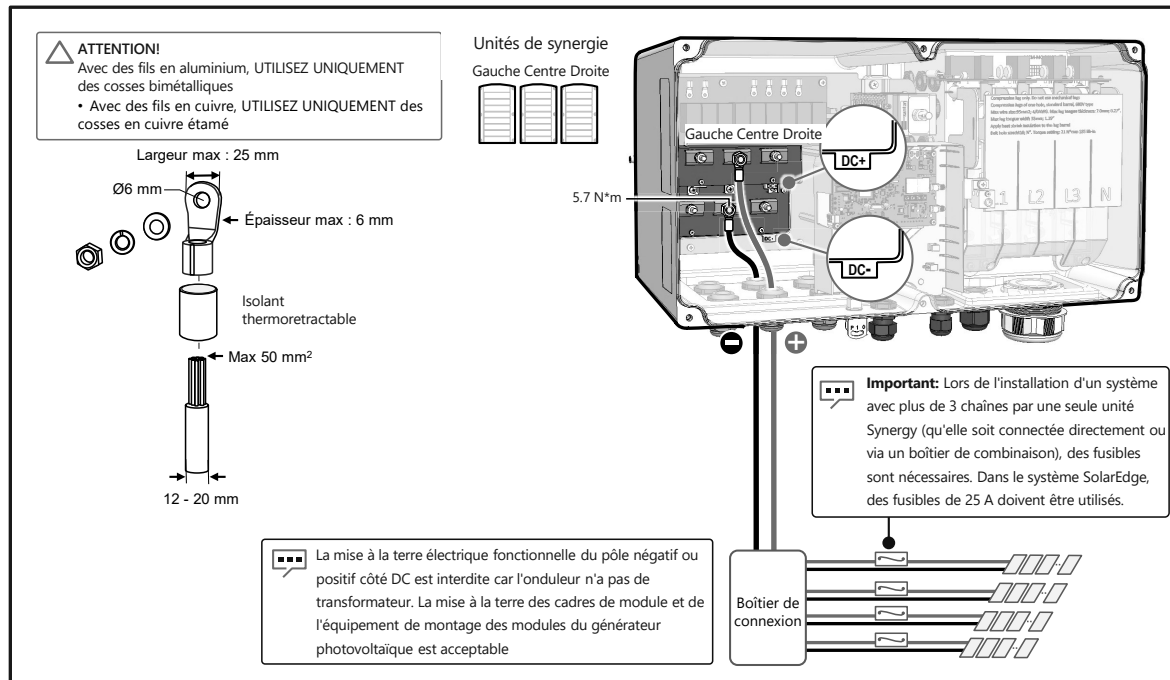
8

Branchement de chaînes de PV

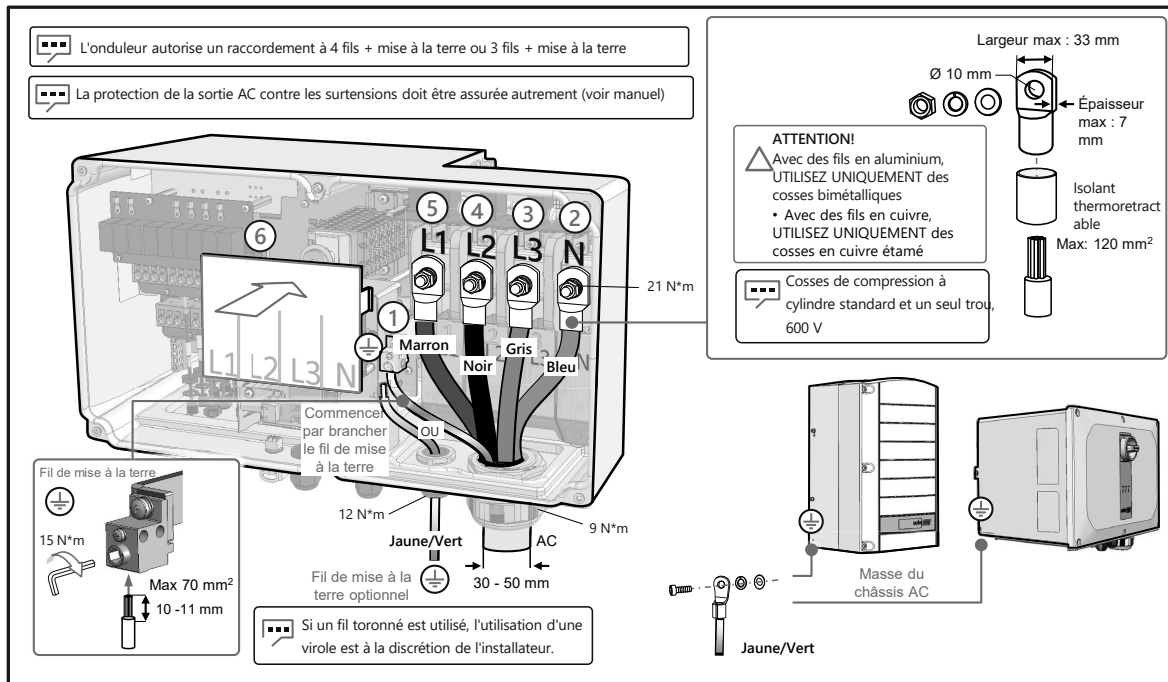


Connexion de chaînes PV via une seule entrée DC

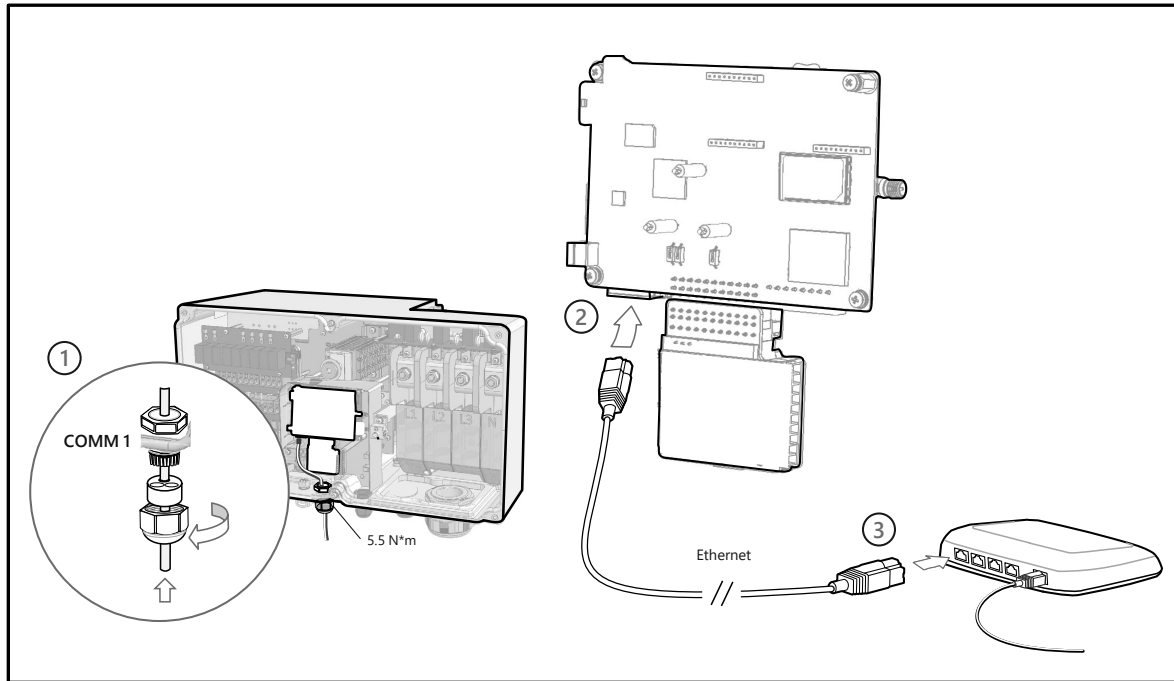
8



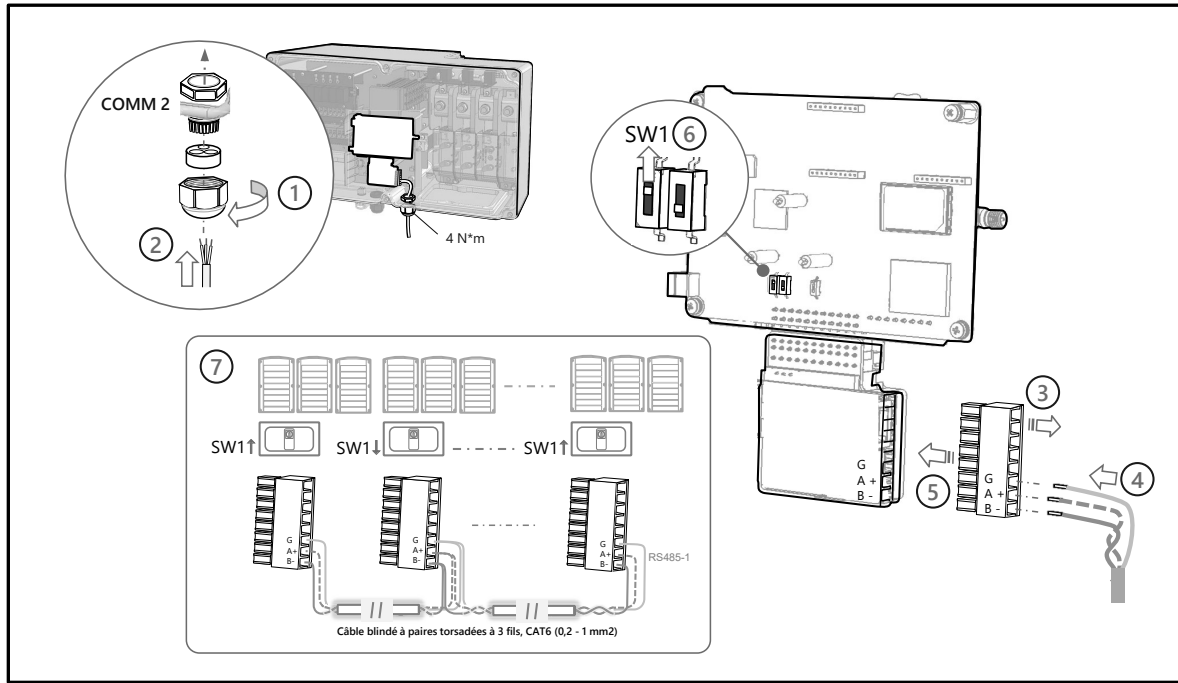
9 Raccordement AC et protection par mise à la terre (PE)



Communication LAN 10

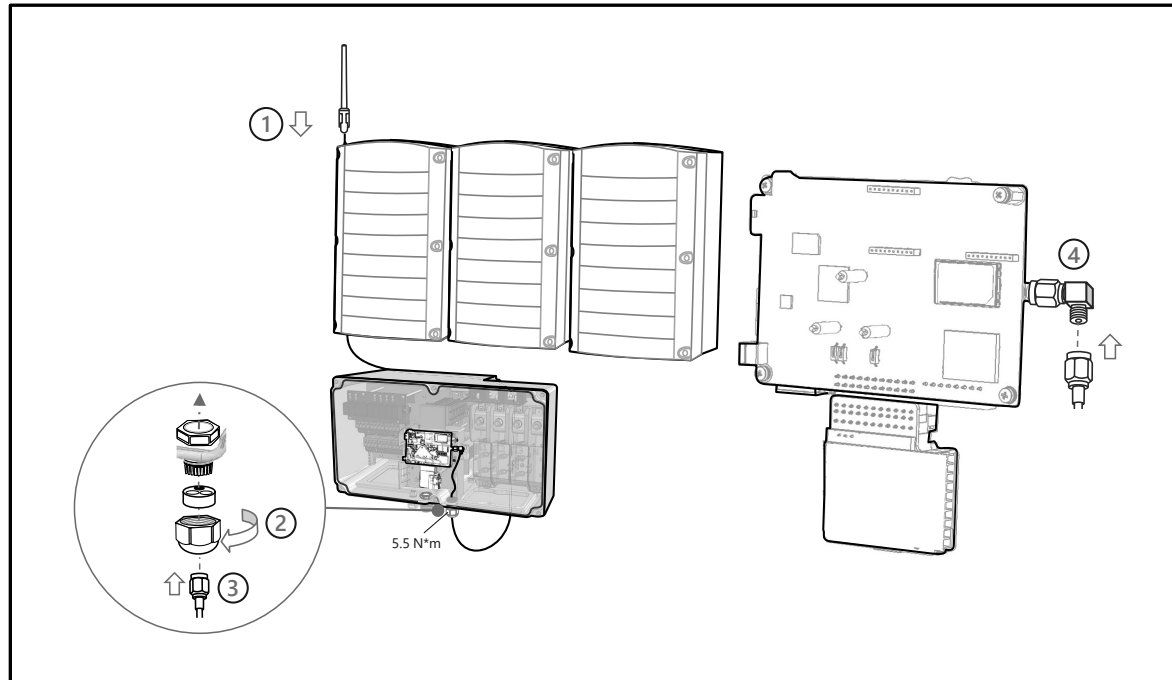


11 Branchement RS485 de plusieurs onduleurs

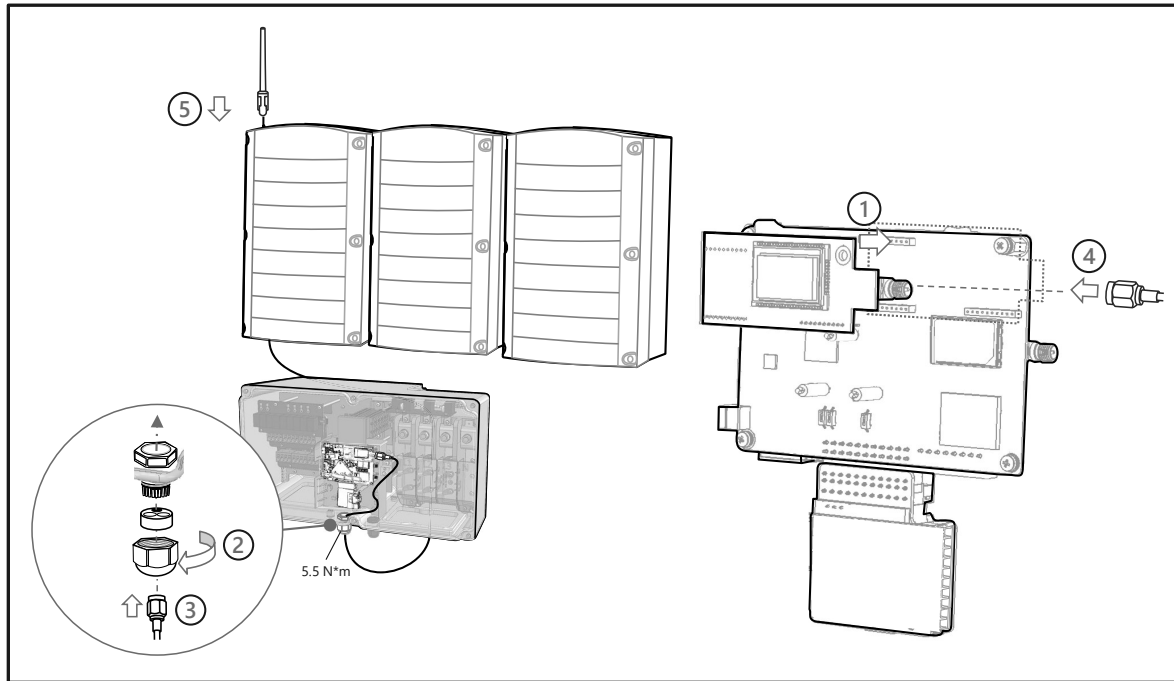


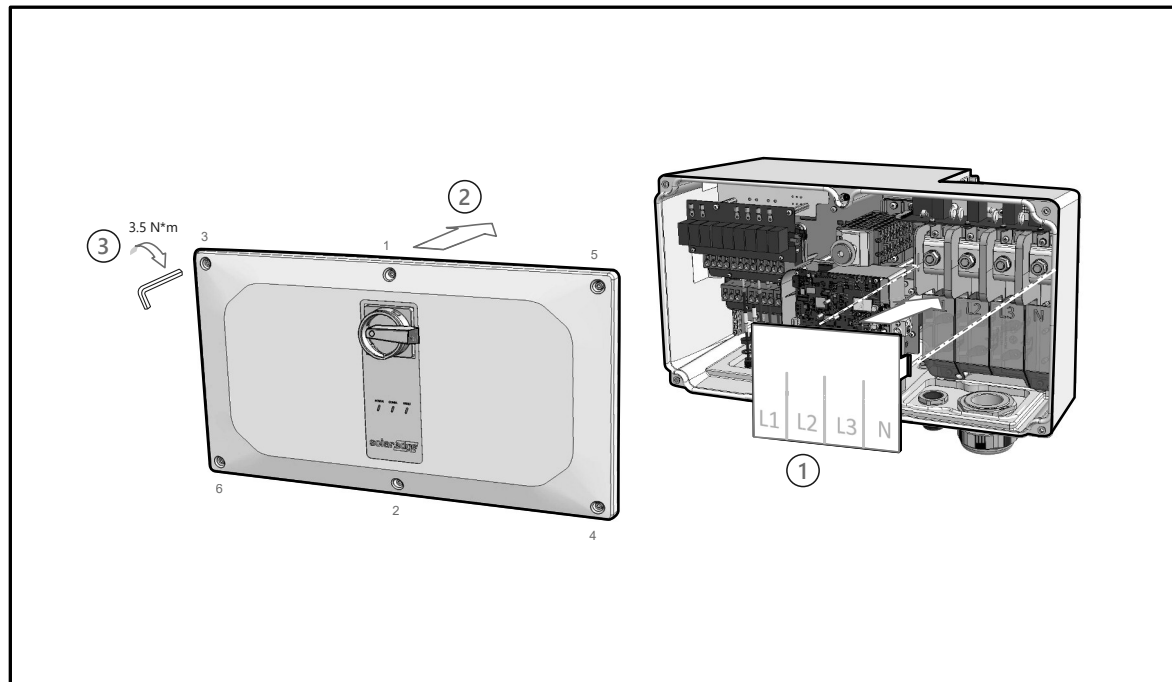
Branché la communication Wi-Fi (optionnel)

12



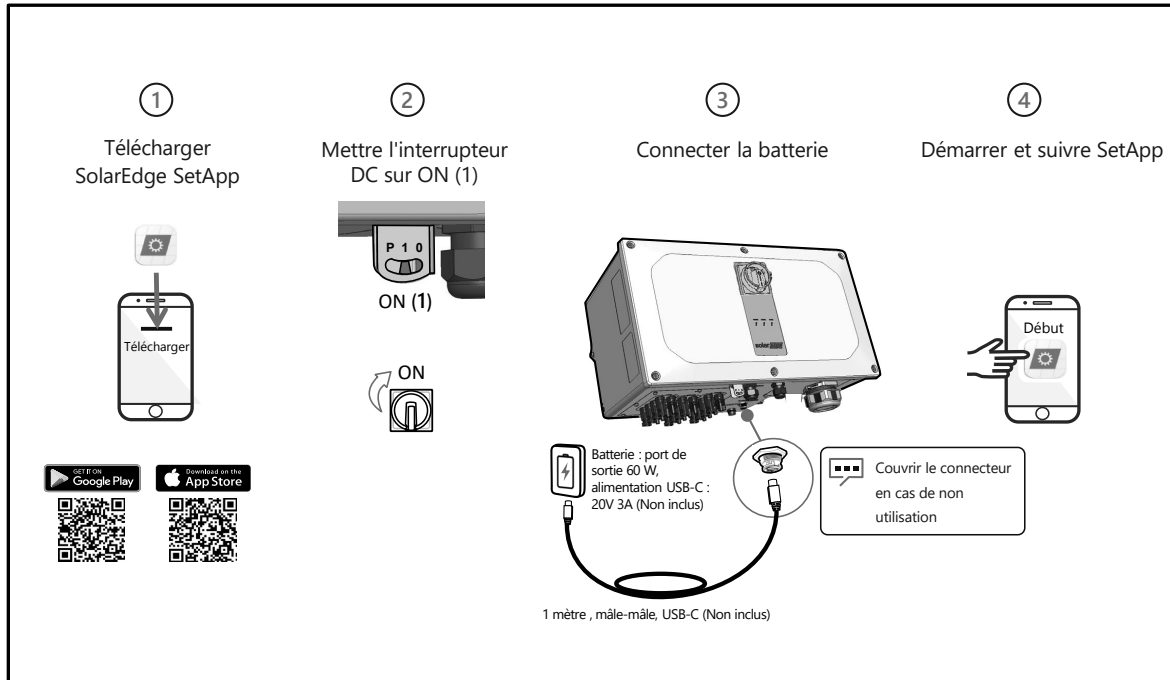
13 Raccordement au réseau mobile (optionnel)



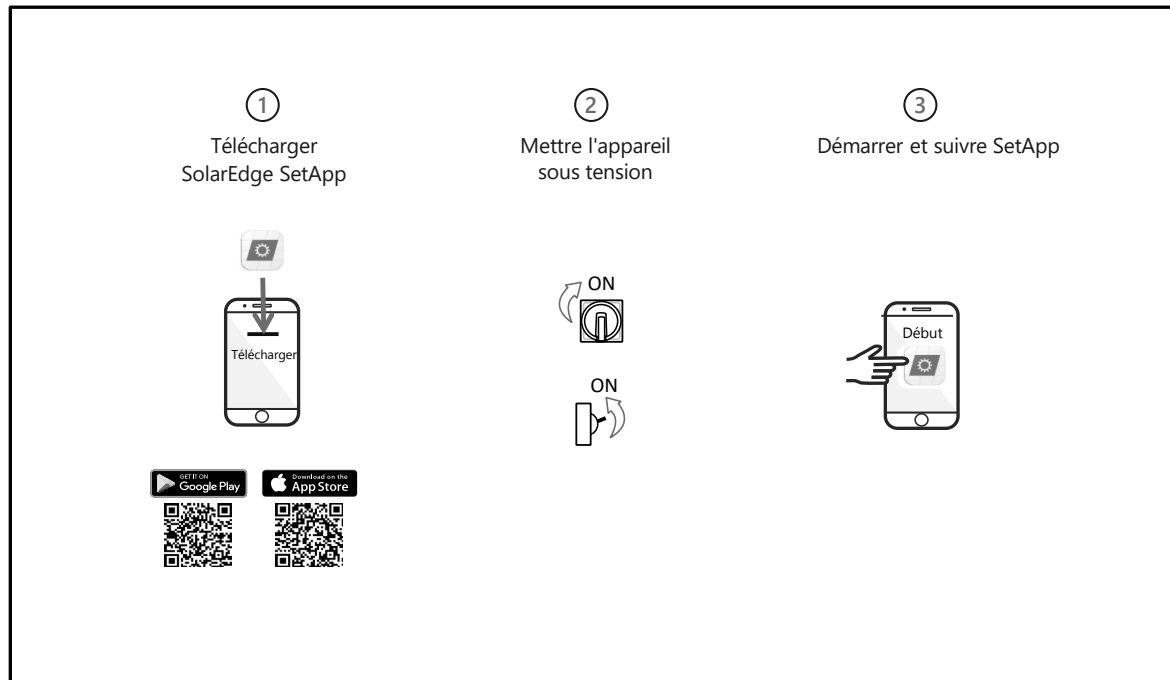


15

Pré-mise en service lorsque le raccordement AC n'a pas encore été effectué (Option 1)



Pré-mise en service lorsque le raccordement AC n'a pas encore été effectué (Option 2)

16

17 Mise en service de l'onduleur maître

1 Pays et langue >

2 Appareiller >

3 Communication du site >

4 État >

RS485-1 → Protocole → SolarEdge → Maître SolarEdge

RS485-1 → Détection Esclave

Site		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/0
Onduleur SN 07318000C		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Unités d'onduleur		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kWh	Isolation 100 kWh	Isolation 100 kWh

ERREUR COMM ALIM

Vert Bleu Rouge



Le système produit de l'électricité



L'alimentation AC est connectée, mais le système ne produit pas d'électricité



L'onduleur est en communication avec la plate-forme de supervision



Erreur système

The SolarEdge logo is positioned in the top-left corner of a large black trapezoidal shape. The logo consists of the word "solar" in a lowercase sans-serif font, followed by "edge" in a lowercase sans-serif font with a white horizontal bar through the middle of the letters "e" and "d".

solar**edge**

Coordonnées de l'assistance technique:
Si vous rencontrez des problèmes techniques
concernant les produits SolarEdge, veuillez
nous contacter:
<https://www.solaredge.com/service/support>

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réservés. Mars 2021.

solaredge

Inverter trifase con tecnologia Synergy

Guida rapida di installazione

PN: SExxK-xxxxlxxxx

Per Europa, APAC e
Sudafrica
Version 1.3

Legenda



NOTA

Questo simbolo indica delle informazioni volte ad aiutare l'utente nel fare un uso ottimale del prodotto.



Questo simbolo appare sui punti di messa a terra indicati nei manuali e nelle apparecchiature SolarEdge.



ATTENZIONE!

Indica un rischio. Richiama l'attenzione su una procedura che, se non eseguita correttamente o rispettata, potrebbe provocare danni o distruzione del prodotto. Non ignorare i messaggi di attenzione finché le condizioni indicate non siano state perfettamente comprese e rispettate.



Portare su ON/OFF il sezionatore CA principale e attendere 5 minuti



AVVERTENZA!

Indica un rischio. Richiama l'attenzione su una procedura che, se non eseguita correttamente o rispettata, potrebbe provocare lesioni anche fatali. Non procedere oltre un'avvertenza finché le condizioni indicate non siano state perfettamente comprese e rispettate.



Portare su ON/OFF il sezionatore di sicurezza CC sul Synergy Manager e attendere 5 minuti (Applicabile solo per i modelli con sezionatore di sicurezza CC)



Non tagliare i connettori dei cavi

CONSERVARE QUESTE ISTRUZIONI – Il presente manuale contiene importanti istruzioni per l'inverter trifase che devono essere seguite durante l'installazione e la manutenzione. L'utilizzo di questa apparecchiatura in un modo non specificato da SolarEdge nel presente documento può compromettere la protezione fornita dall'apparecchiatura.

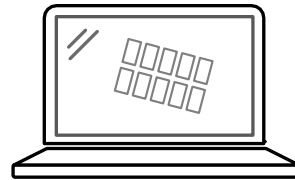
Installazione degli ottimizzatori di potenza

1

① → ② → ③ → ④ → ⑤ → ⑥

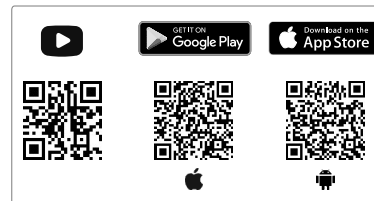
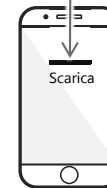
①

Utilizza Designer di SolarEdge
per progettare un sistema
SolarEdge
<https://designer.solaredge.com>



②

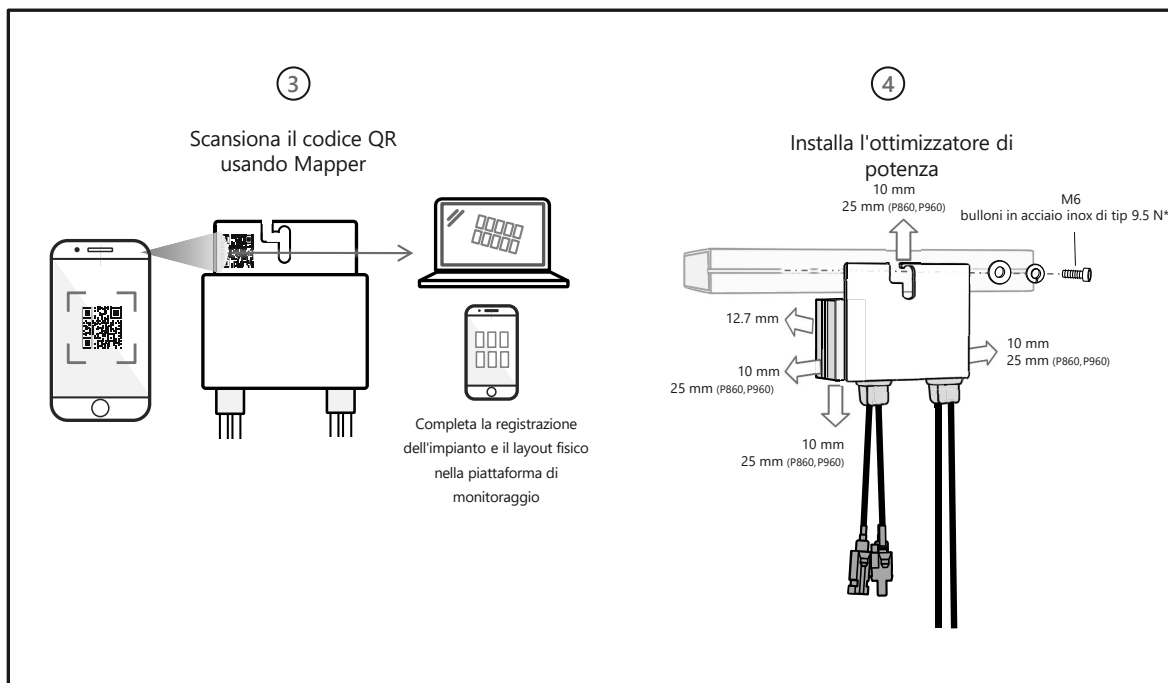
Scarica Mapper di SolarEdge
per mappare gli ottimizzatori di
potenza delle stringhe



1

Installazione degli ottimizzatori di potenza

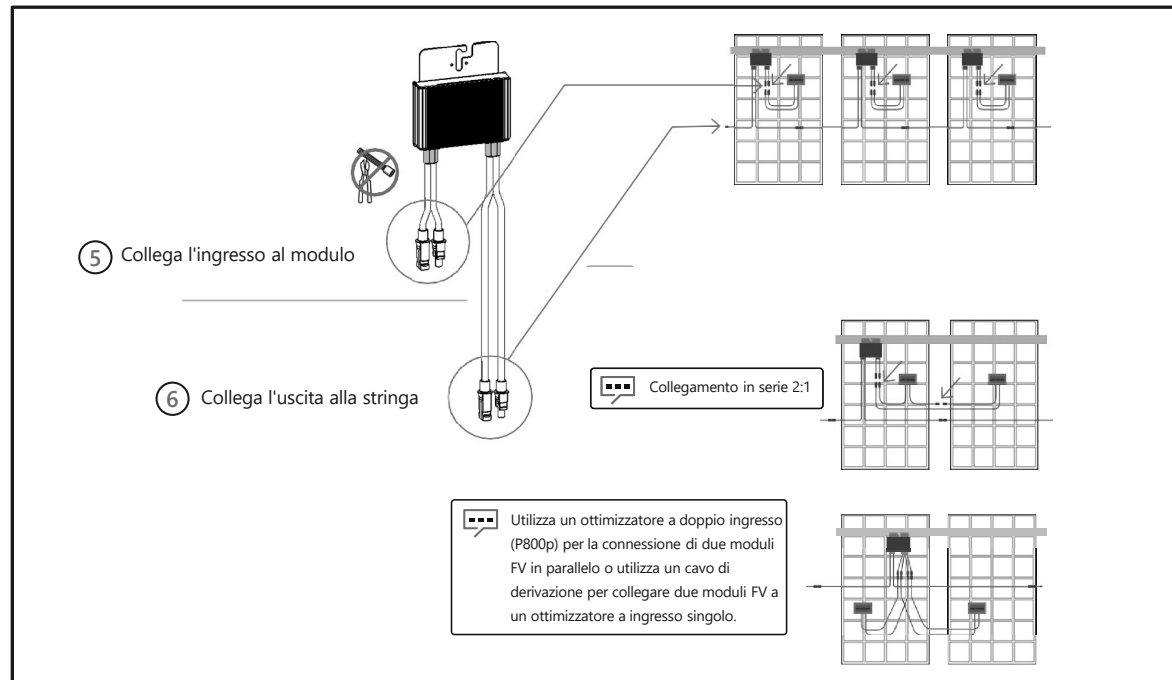
① → ② → ③ → ④ → ⑤ → ⑥



Installazione degli ottimizzatori di potenza

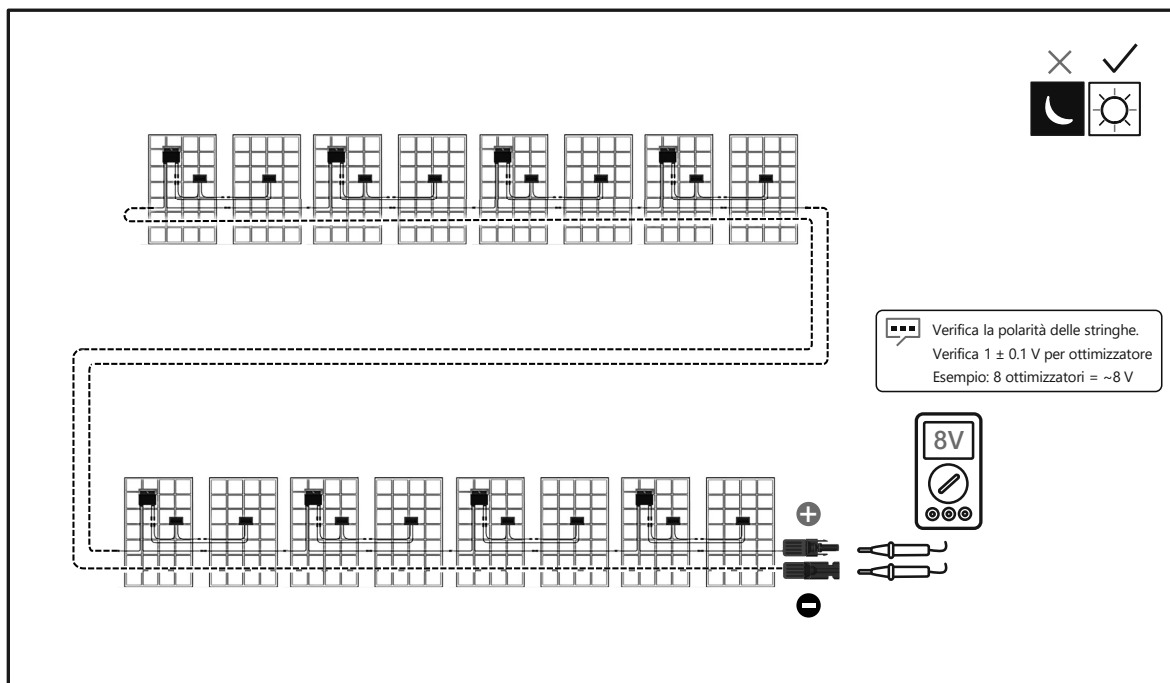
① → ② → ③ → ④ → ⑤ → ⑥

1



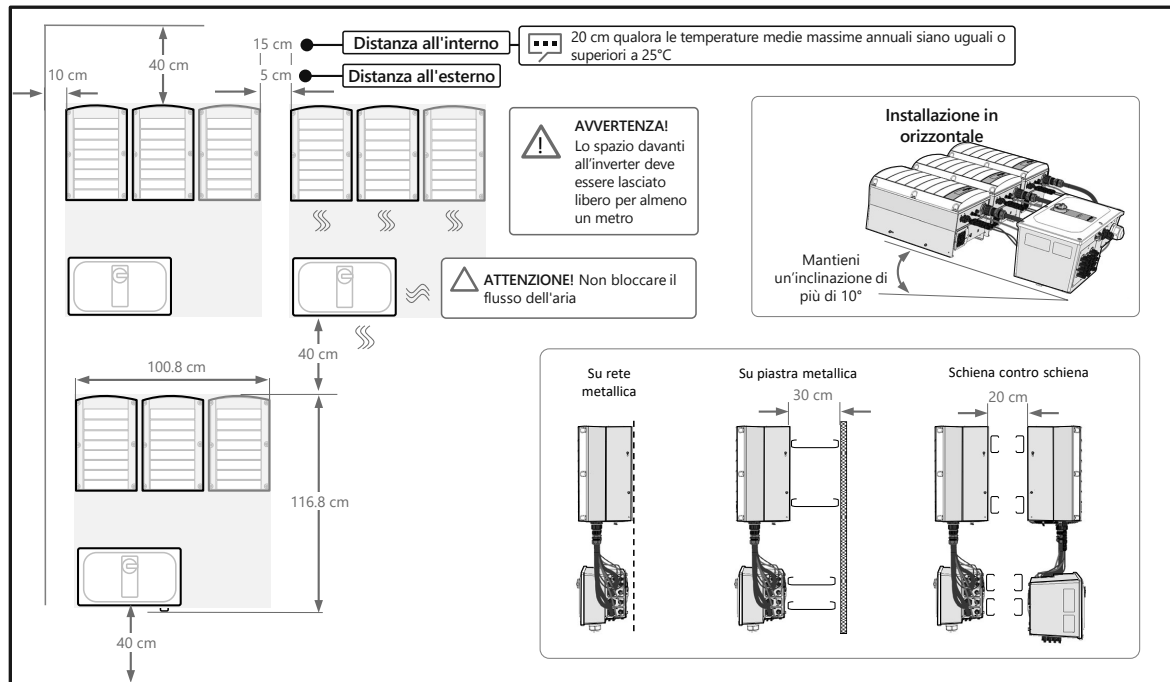
2

Collegamento delle stringhe FV

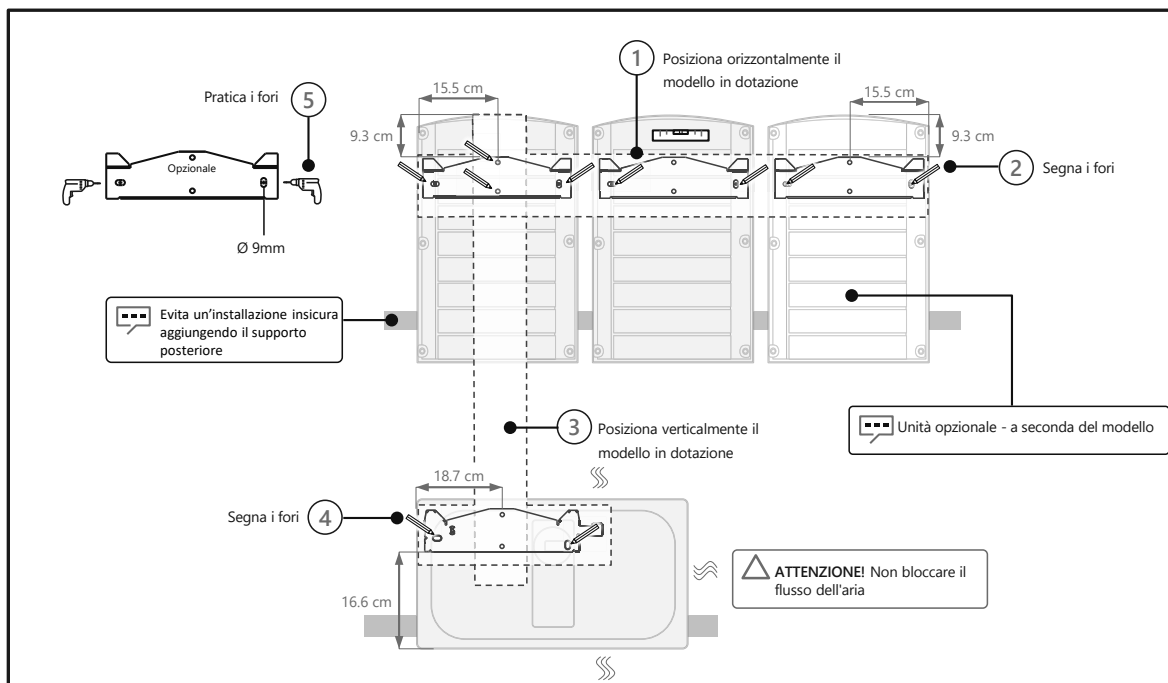


Distanze da rispettare

3

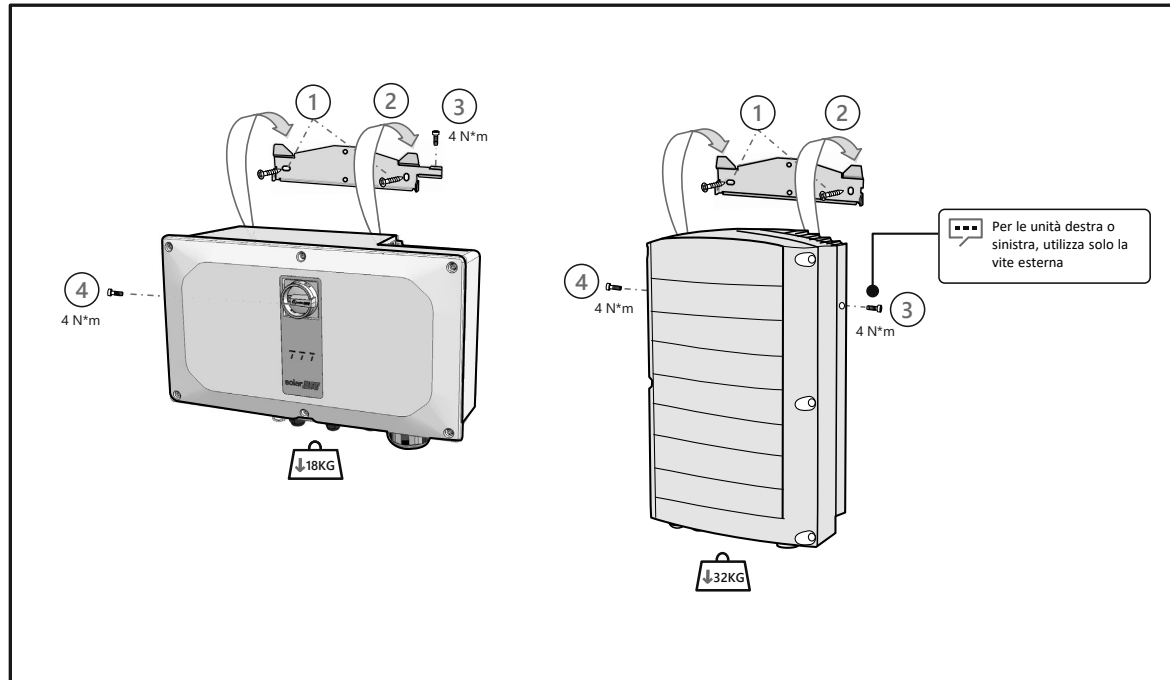


4 Segna e pratica i fori

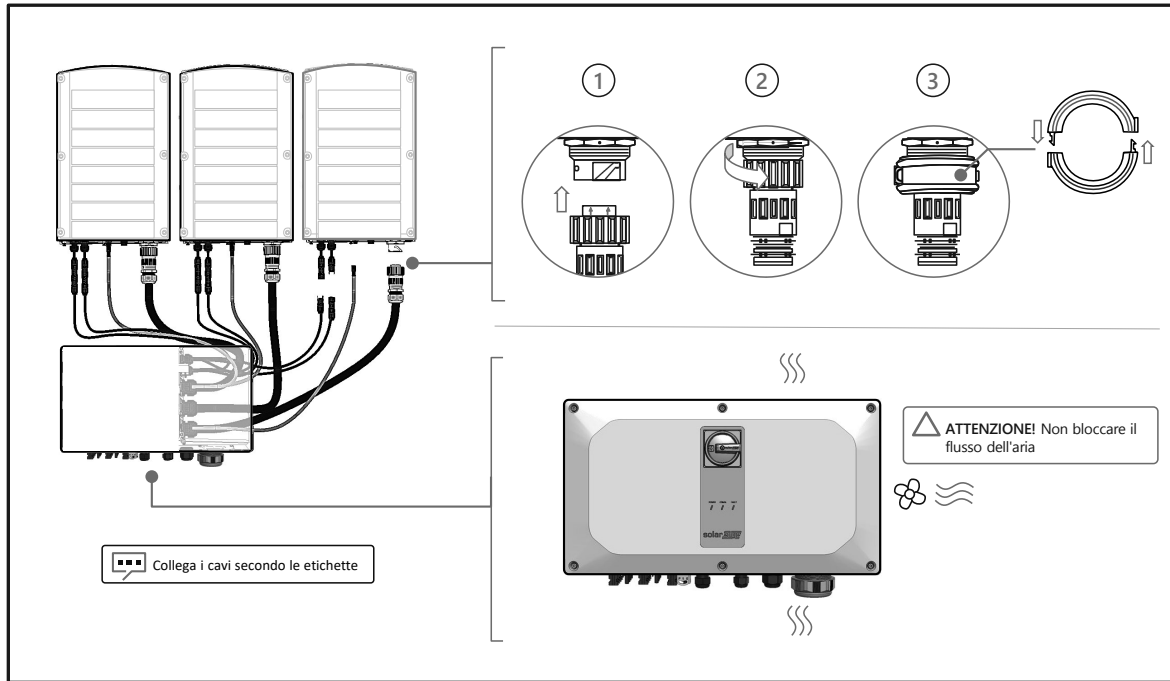


Montaggio delle Unità

5

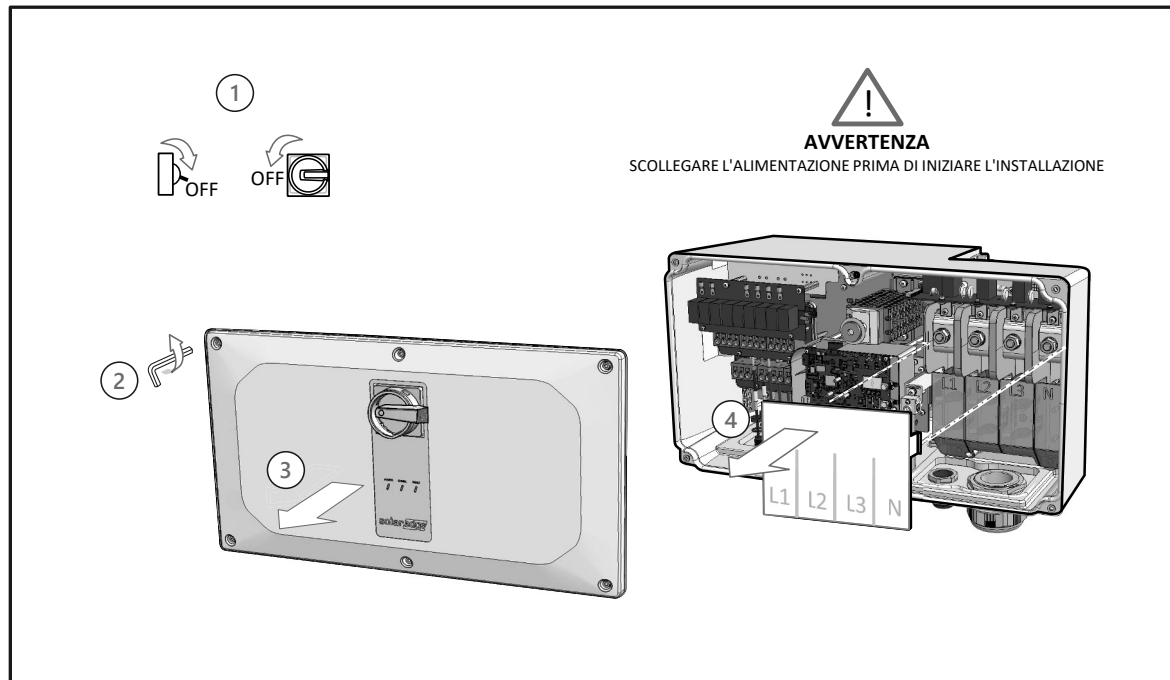


6 Collegamento dei cavi



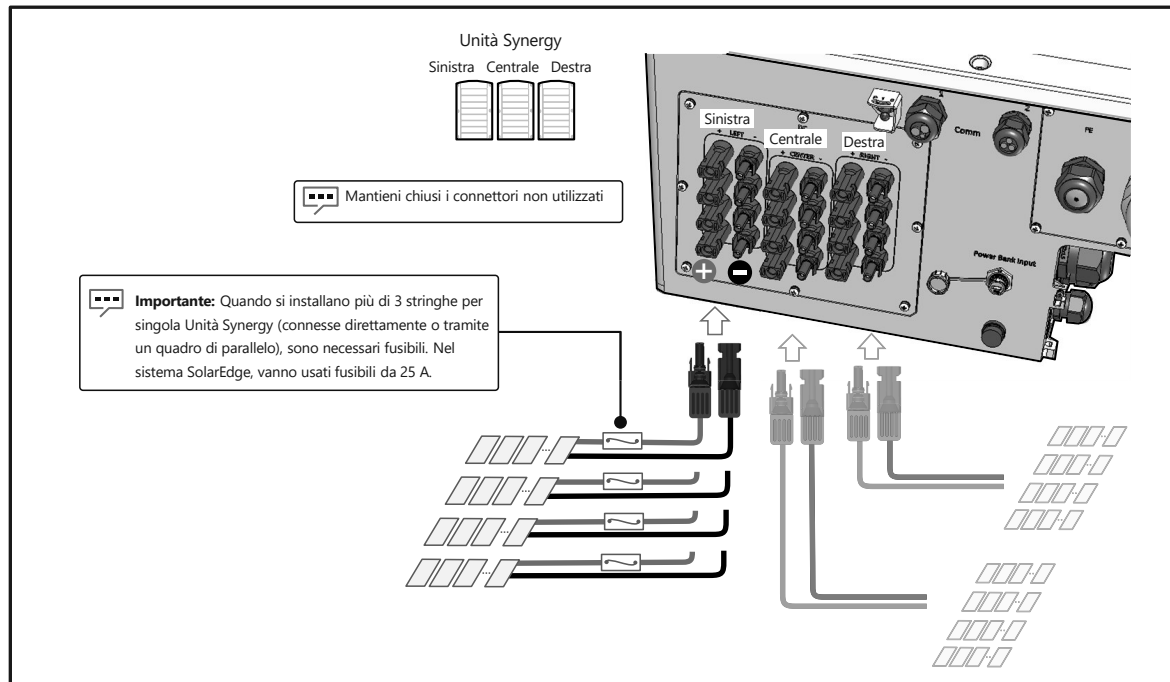
Rimozione dei coperchi

7



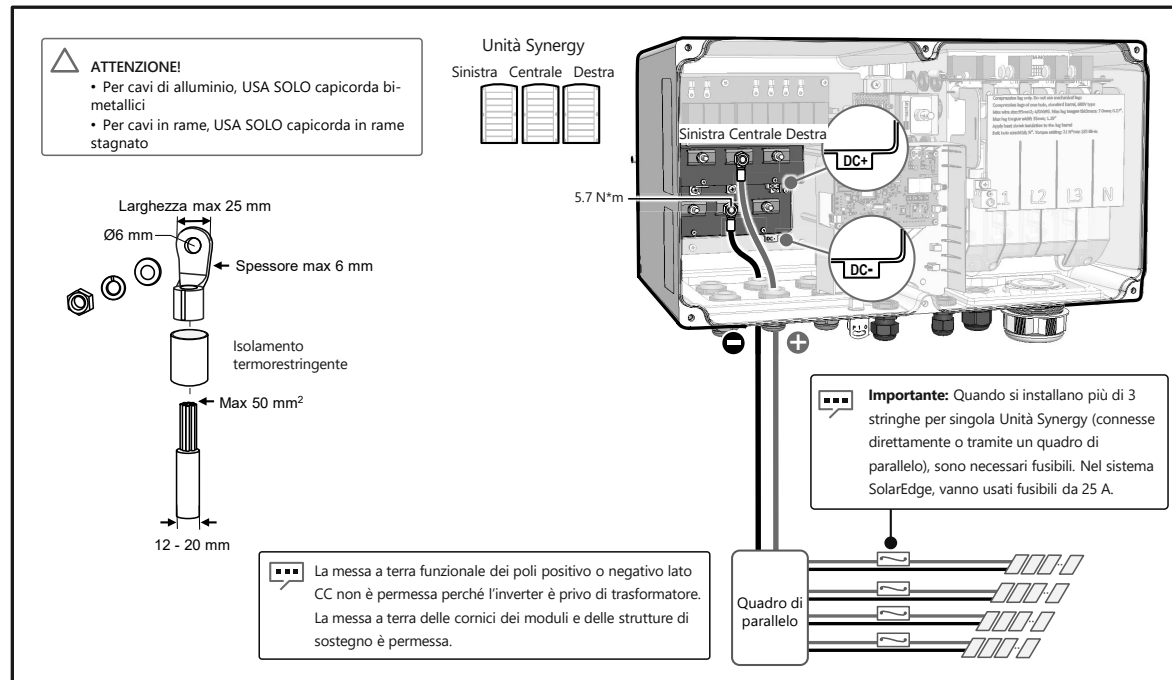
8

Collegamento delle stringhe FV



Collegamento delle stringhe FV tramite Ingresso CC Singolo

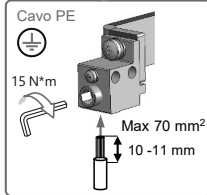
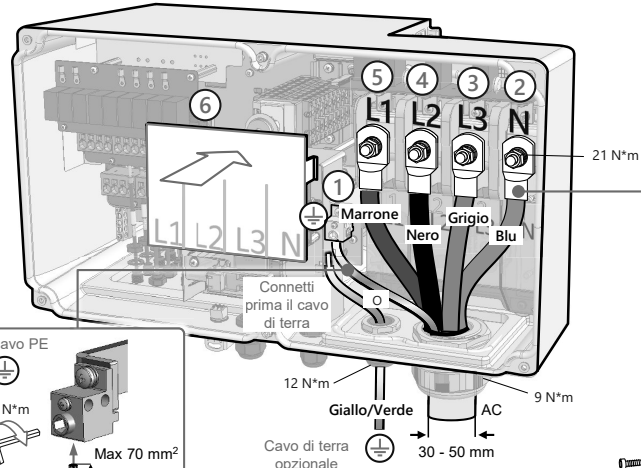
8



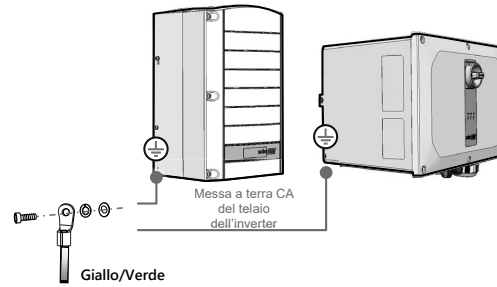
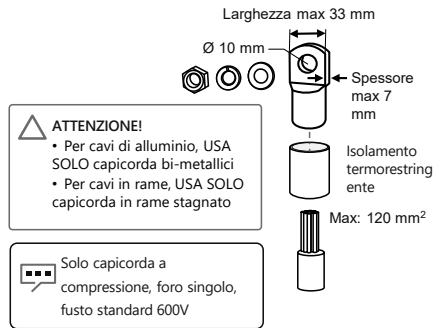
9 Connessione CA e cavo di terra (PE)

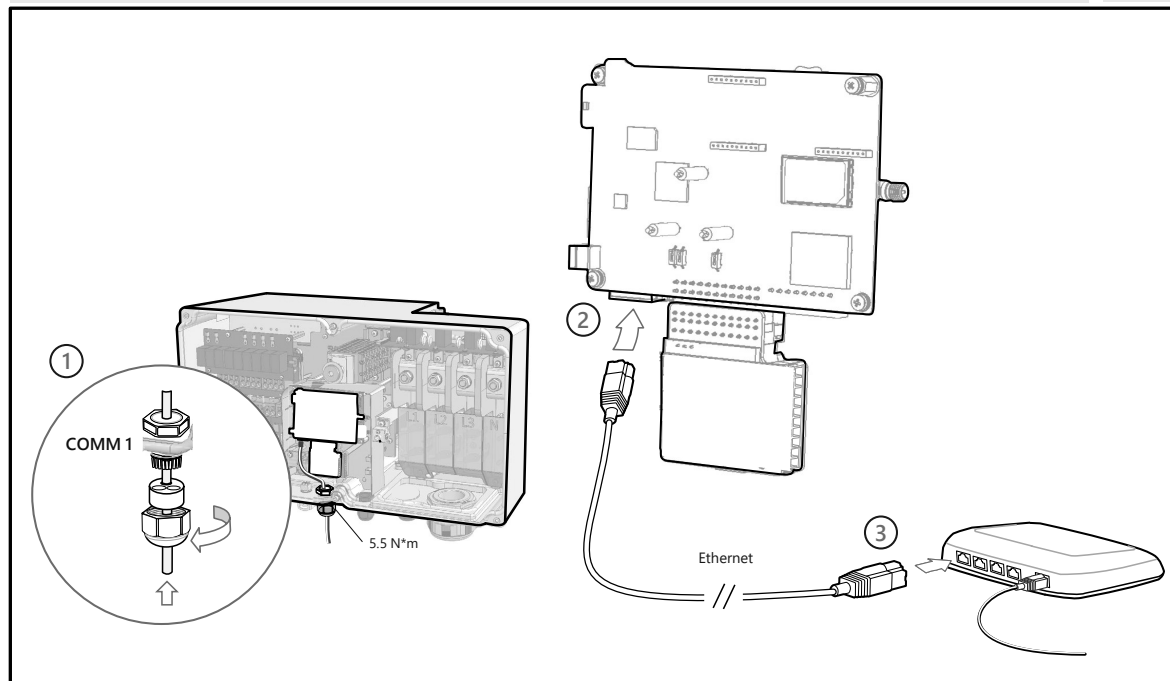
L'inverter supporta sia la configurazione a 4 cavi + PE, sia a 3 cavi + PE

La protezione da sovracorrente per l'uscita CA deve essere fornita da terzi, consulta il manuale per la guida

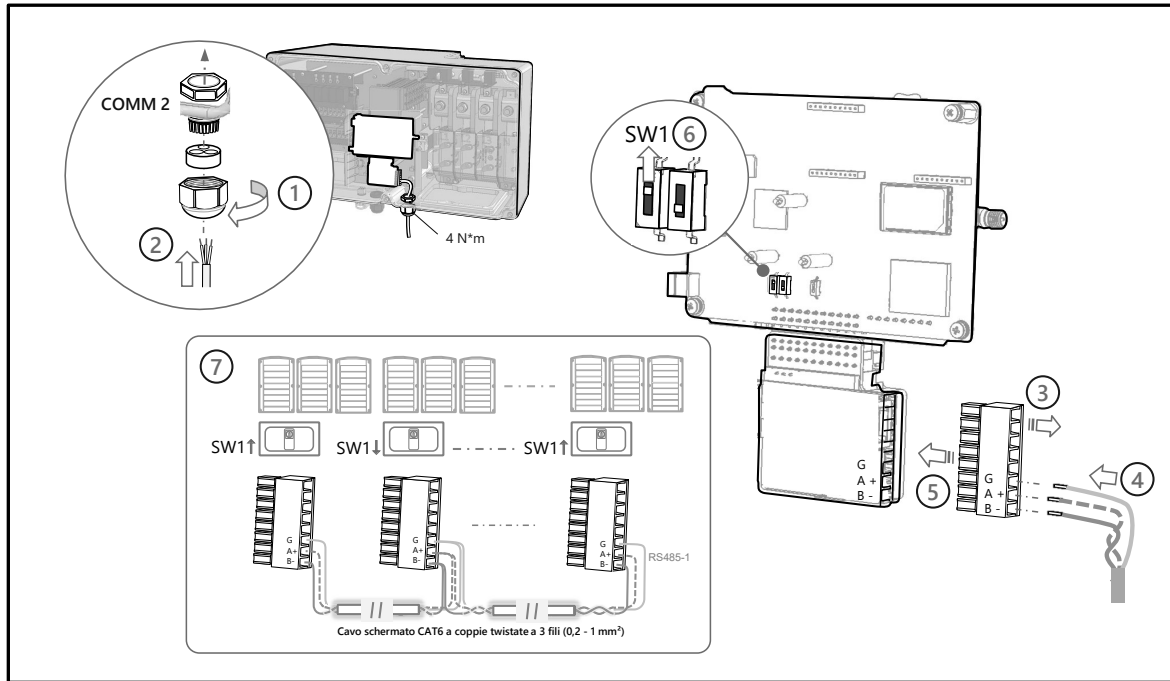


Se si utilizza un cavo a trefoli, l'uso di puntali è a discrezione dell'installatore



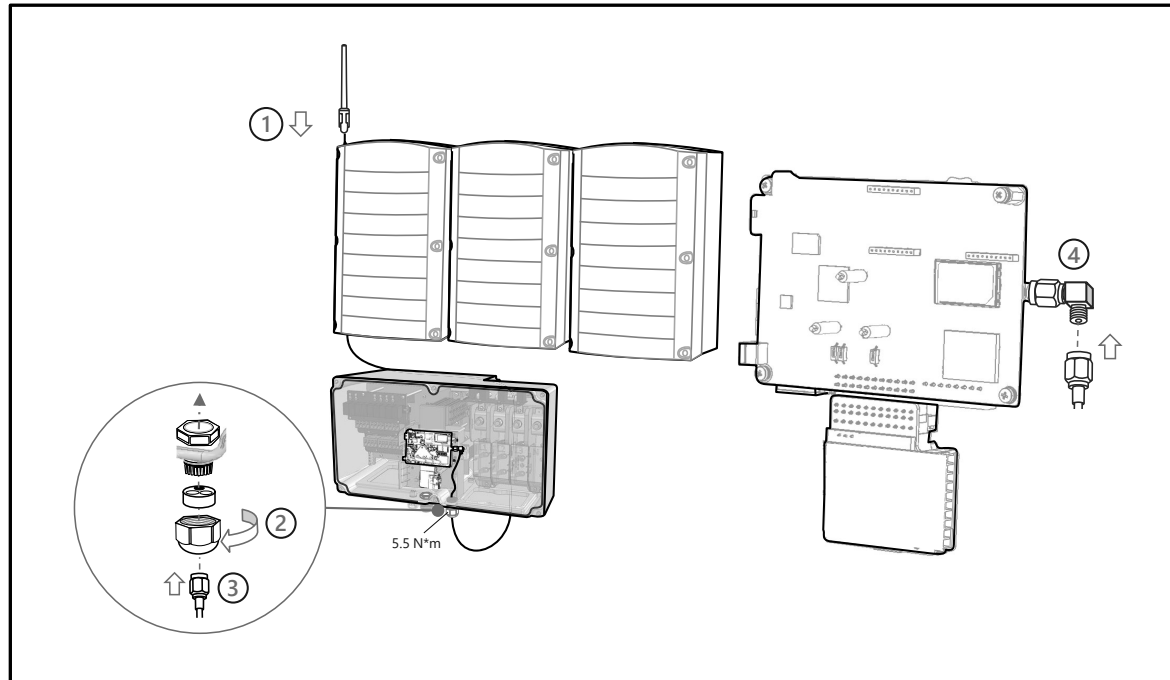
Comunicazione LAN **10**

11 Connessione RS485 di inverter multipli

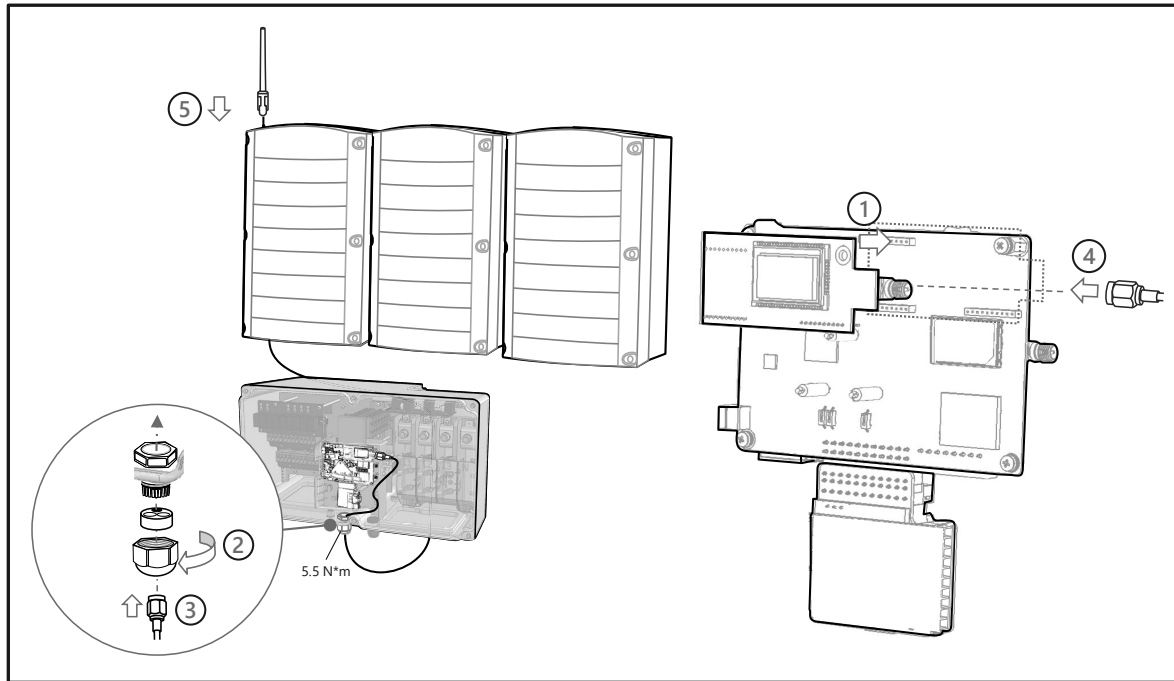


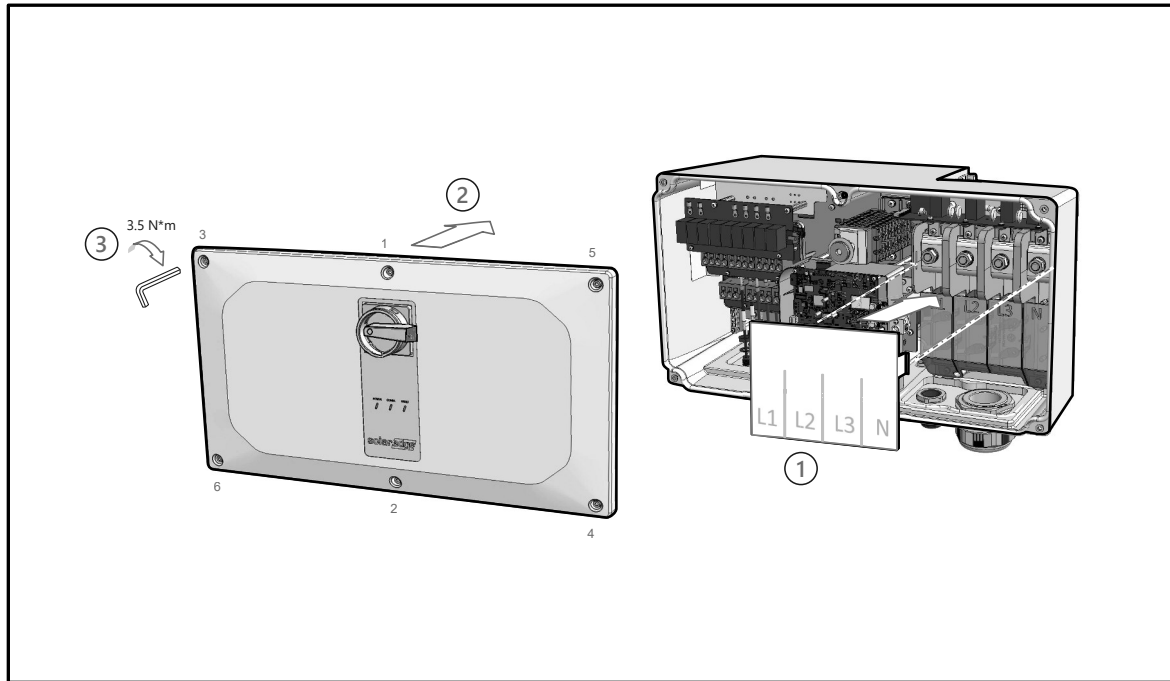
Collegamento Comunicazione Wi-Fi (opzionale)

12



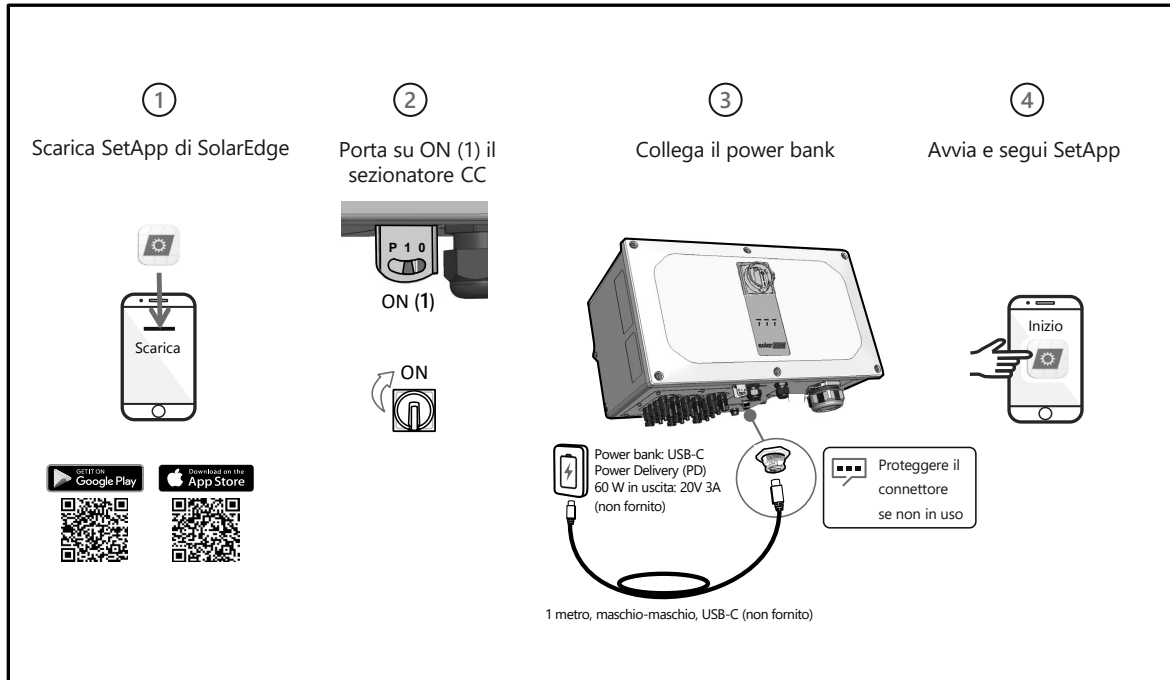
13 Collegamento della comunicazione cellulare (opzionale)





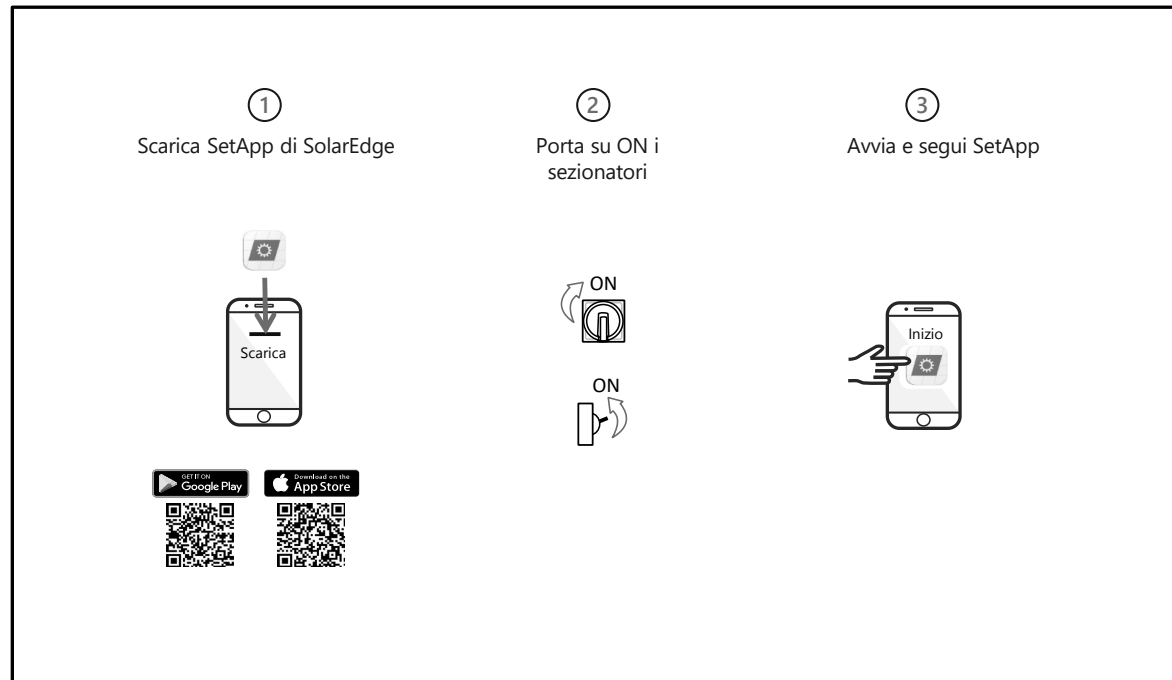
15

Pre-commissioning con alimentazione CA non collegata (opzione 1)



Messa in servizio con alimentazione CC e CA (opzione 2)

16



17 Messa in servizio dell'inverter Leader

1 Paese e Lingua >

2 Accoppiamento >

3 Comunicazione dell'impianto >

4 Stato >

RS485-1 → Protocollo → SolarEdge → Solaredge Leader

RS485-1 → Rilevamento Follower

Site		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/0
Inverter SN 07318000C		
Power 100kW	Voltage 277 V _{ac}	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Unità inverter		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 V _{dc}	Voltage 850 V _{dc}	Voltage 850 V _{dc}
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

POWER COMM FAULT

Verde Blu Rosso



Il sistema produce Energia



L'alternata è collegata ma il sistema non sta producendo energia



L'inverter sta comunicando con la piattaforma di monitoraggio



Errore del sistema

The SolarEdge logo is displayed in white text on a black background. The word "solar" is in a lowercase sans-serif font, and "edge" is in a lowercase sans-serif font with a white horizontal bar through the middle of the letters 'e' and 'd'.

solar**edge**

Informazioni di contatto del Supporto

Se avete problemi tecnici relativi a prodotti

SolarEdge, vi preghiamo di contattarci:

<https://www.solaredge.com/it/service/support>

Soggetto a modifiche senza preavviso.

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solar**edge**

Inversor trifásico con tecnología Synergy

Guía rápida de instalación

PN: SExxK-xxxxlxxxx

Para Europa, Asia
Pacífico y Sudáfrica
Versión 1.3

Leyenda



NOTA

Este símbolo indica información para ayudar al usuario a hacer un uso óptimo del producto.



Este símbolo aparece en los puntos de conexión a tierra en los manuales y en el equipo de SolarEdge.



¡PRECAUCIÓN!

Supone un peligro. Llama la atención sobre un procedimiento que, si no se realiza correctamente o no se cumple, podría provocar daños o la destrucción del producto. No proceder más allá de una señal de precaución hasta que las condiciones indicadas se entiendan y cumplan completamente.



ON



OFF

Mover el interruptor de CA del cuadro de alimentación principal de ON a OFF y esperar 5 minutos



¡ADVERTENCIA!

Supone un peligro. Llama la atención sobre un procedimiento que, si no se realiza correctamente o no se cumple, podría provocar lesiones o pérdida de vidas humanas. No continúe tras una nota de advertencia hasta que haya entendido las condiciones indicadas y se cumplan totalmente.



ON



OFF

Mover el interruptor de seguridad de CC del Synergy Manager de ON a OFF y esperar 5 minutos
(Aplicable solo para los modelos con interruptor de seguridad de CC)



No cortar los conectores de los cables

GUARDAR ESTAS INSTRUCCIONES: este manual contiene instrucciones importantes para el inversor trifásico que deben seguirse durante su instalación y mantenimiento. El uso de este equipo de una manera no especificada en este documento por SolarEdge por SolarEdge en este documento puede afectar la protección proporcionada por el equipo.

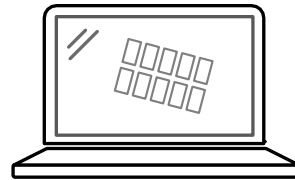
Instalación de los optimizadores de potencia

1

① → ② → ③ → ④ → ⑤ → ⑥

①

Utilizar SolarEdge Designer
para diseñar sistemas SolarEdge
<https://designer.solaredge.com>



②

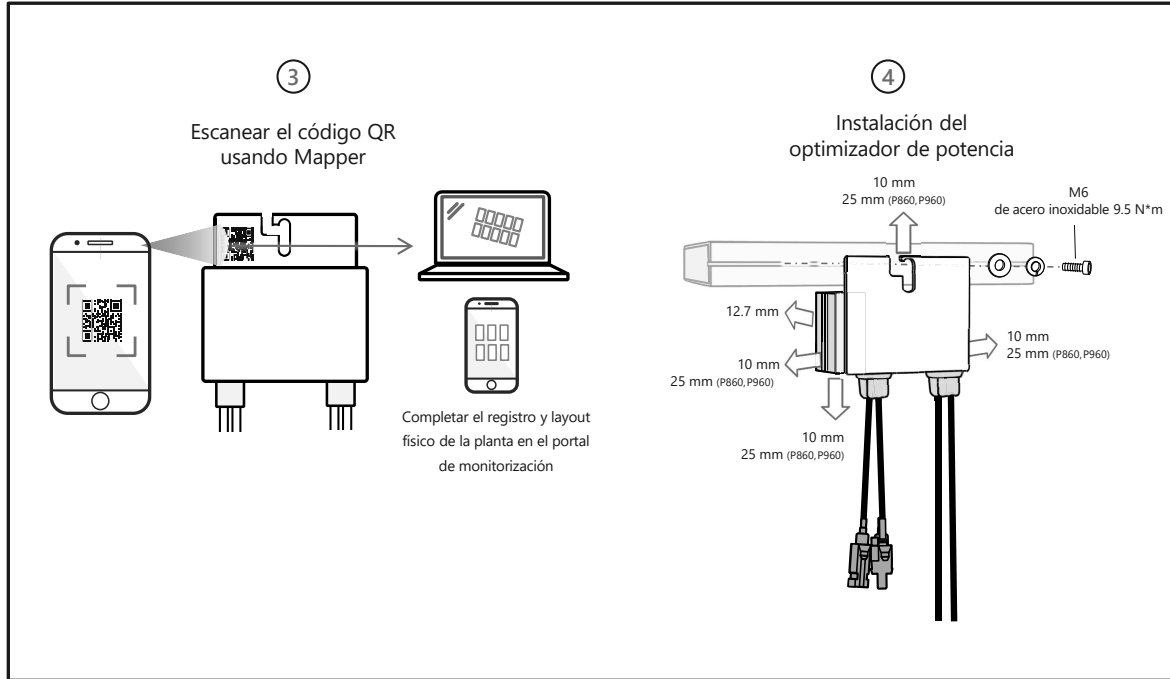
Descargar SolarEdge Mapper
para mapear los optimizadores
de potencia



1

Instalación de los optimizadores de potencia

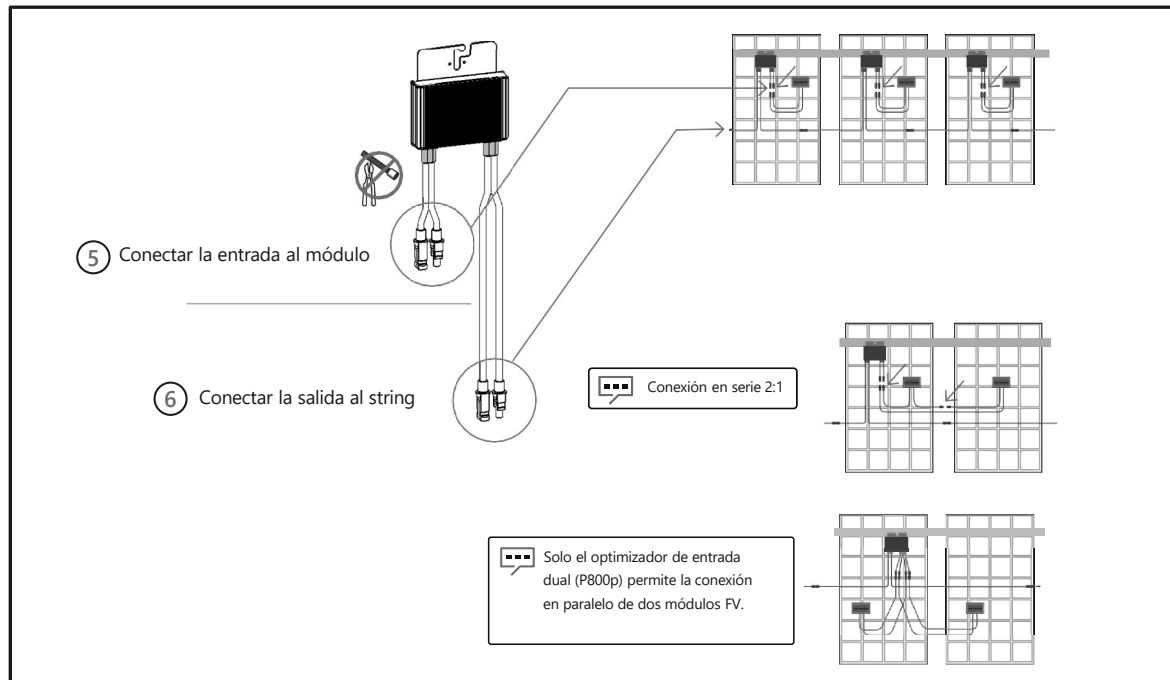
① → ② → ③ → ④ → ⑤ → ⑥



Instalación de los optimizadores de potencia

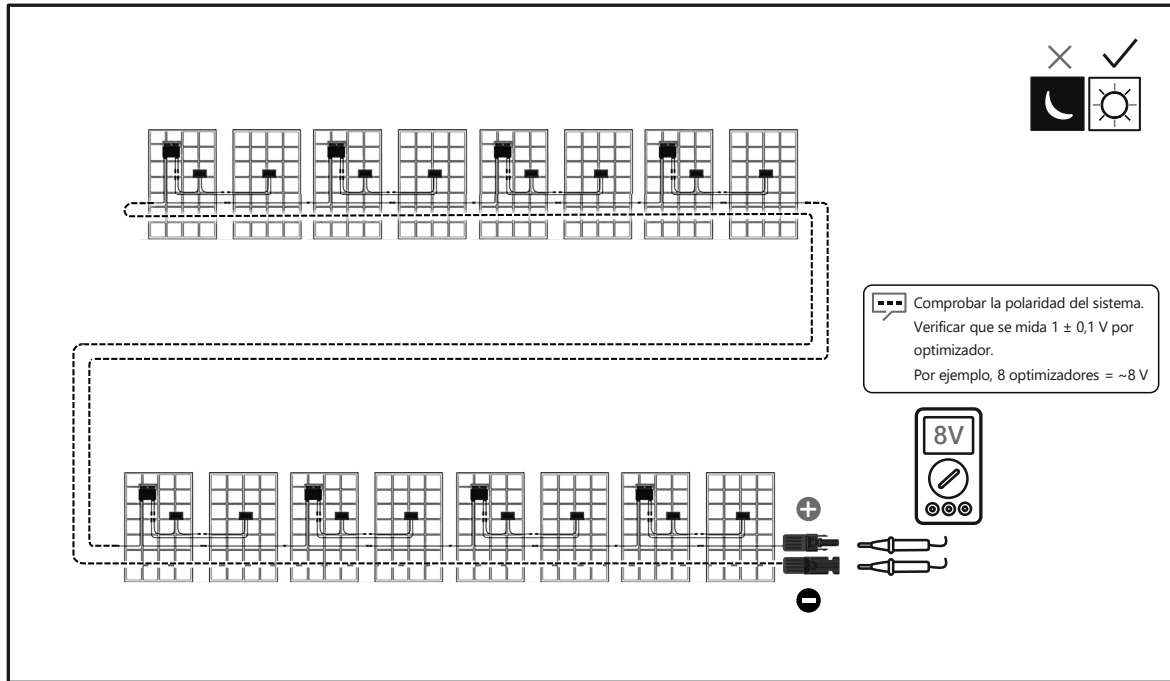
1

①→②→③→④→⑤→⑥



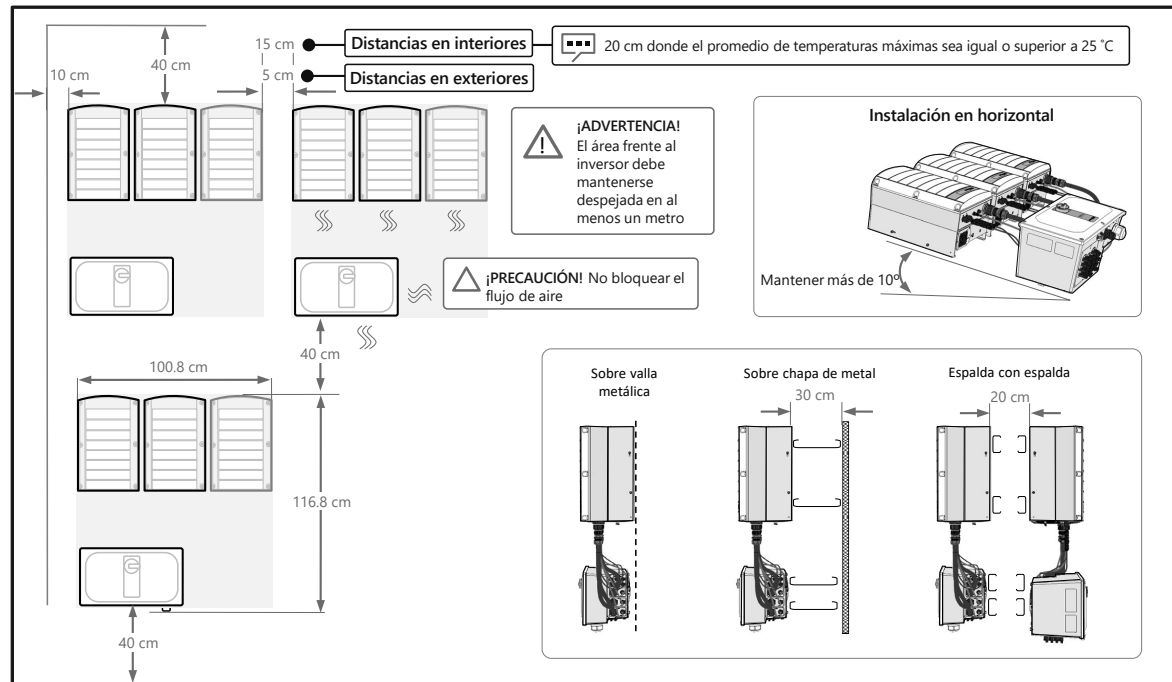
2

Conexión del sistema de FV

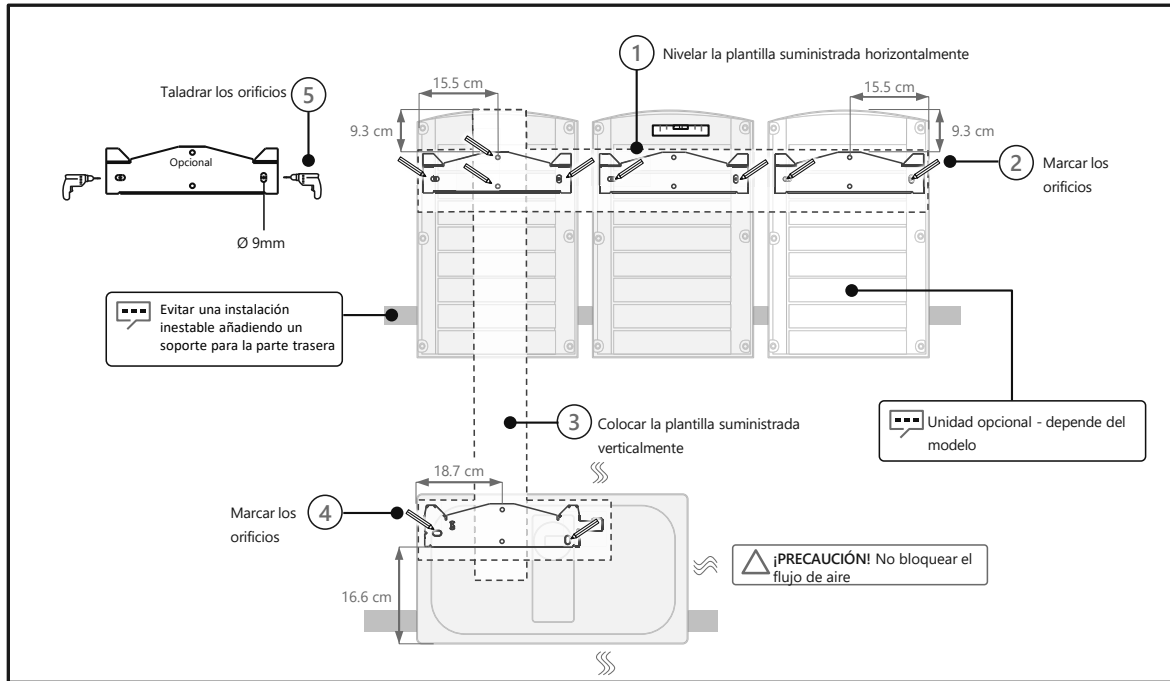


Mantener las distancias

3

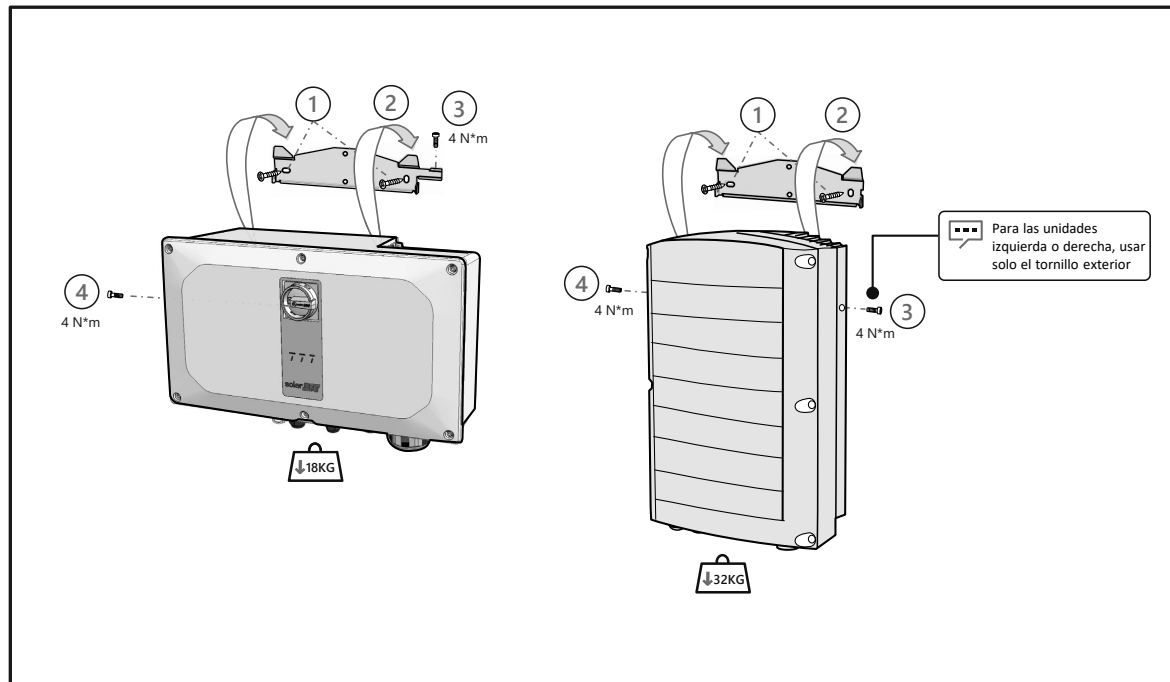


4 Marcar y perforar los orificios

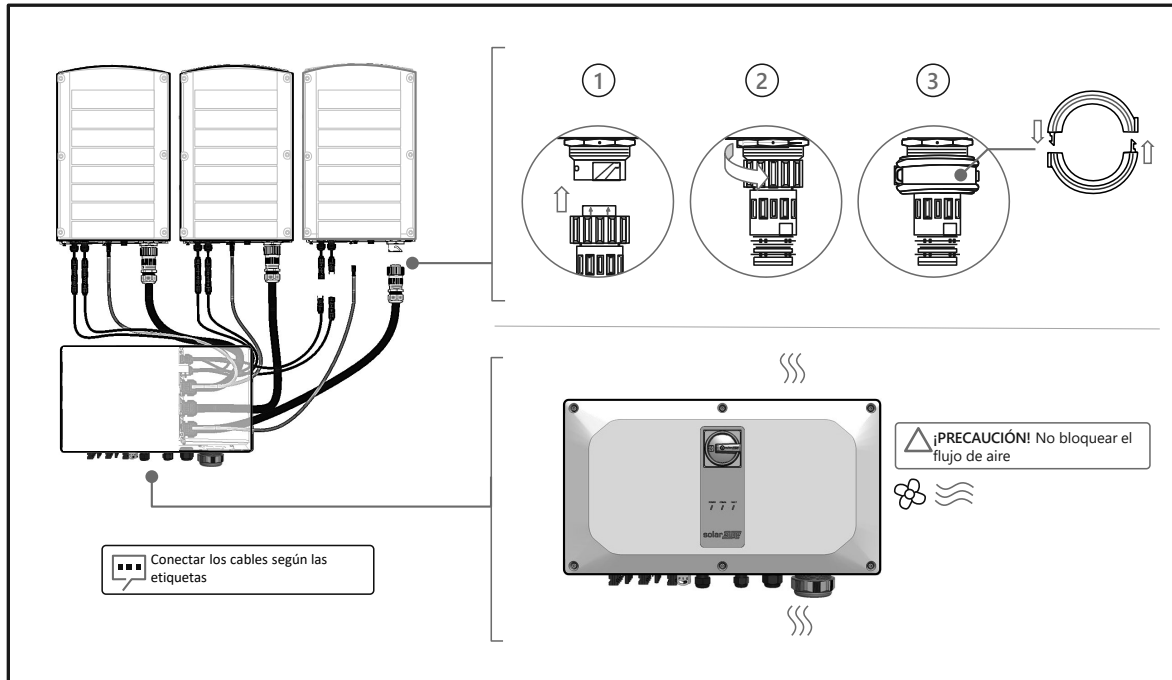


Montaje de las unidades

5

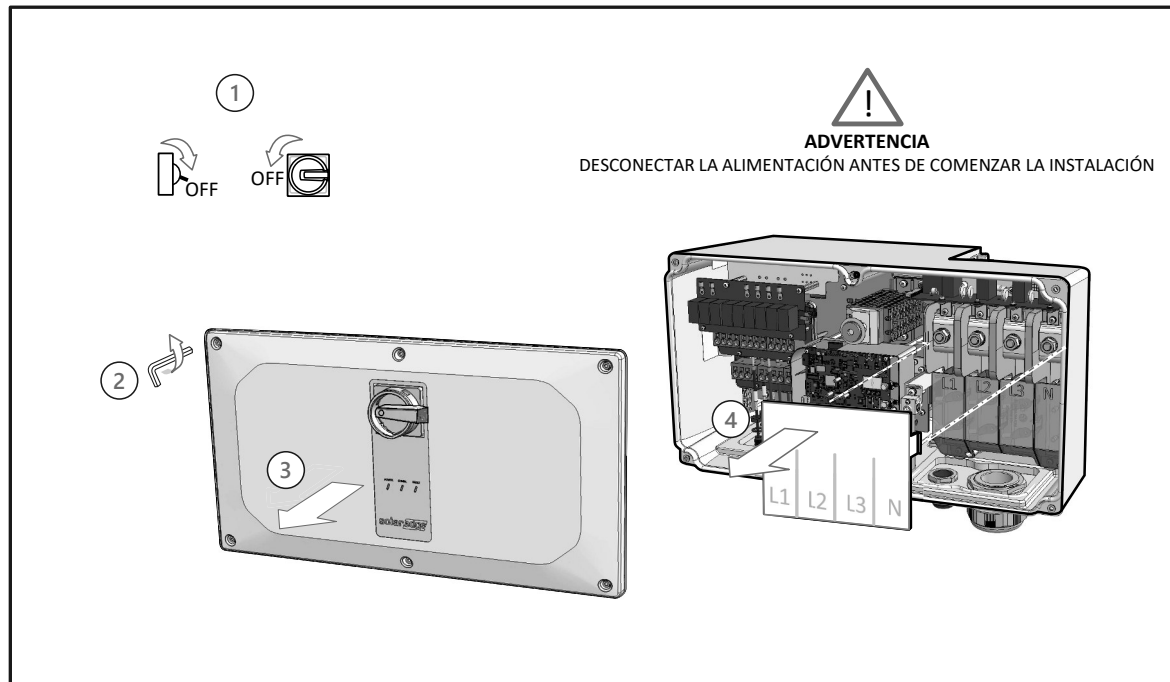


6 Conexión del cableado de interconexión



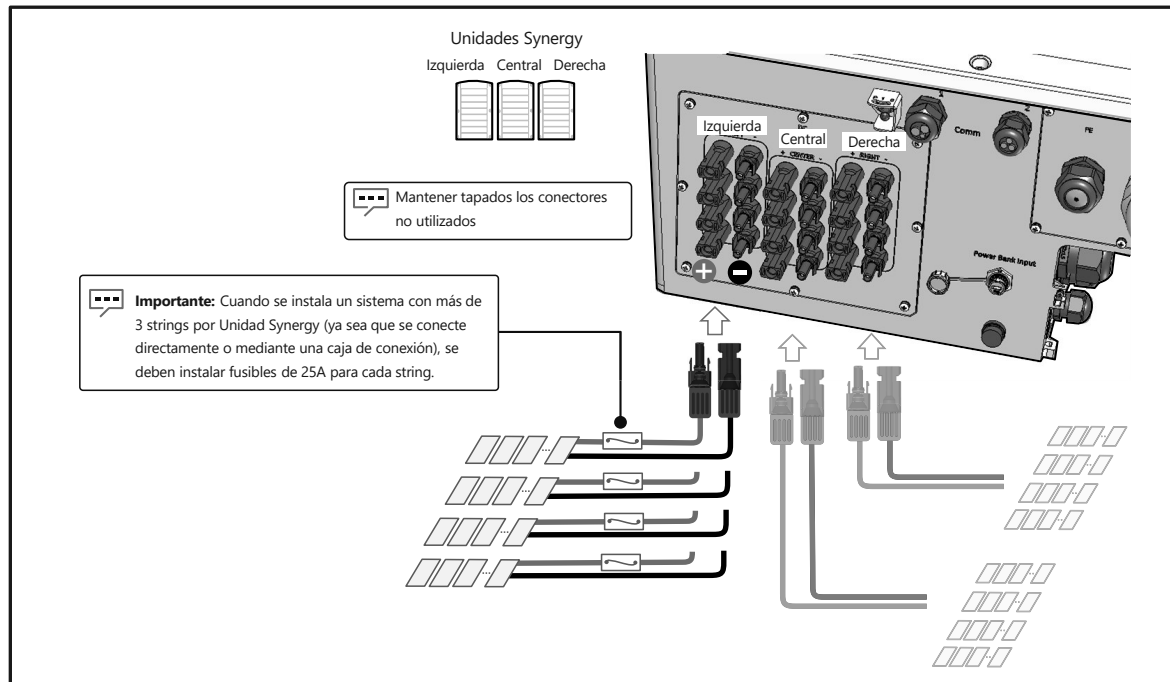
Retirar las tapas

7



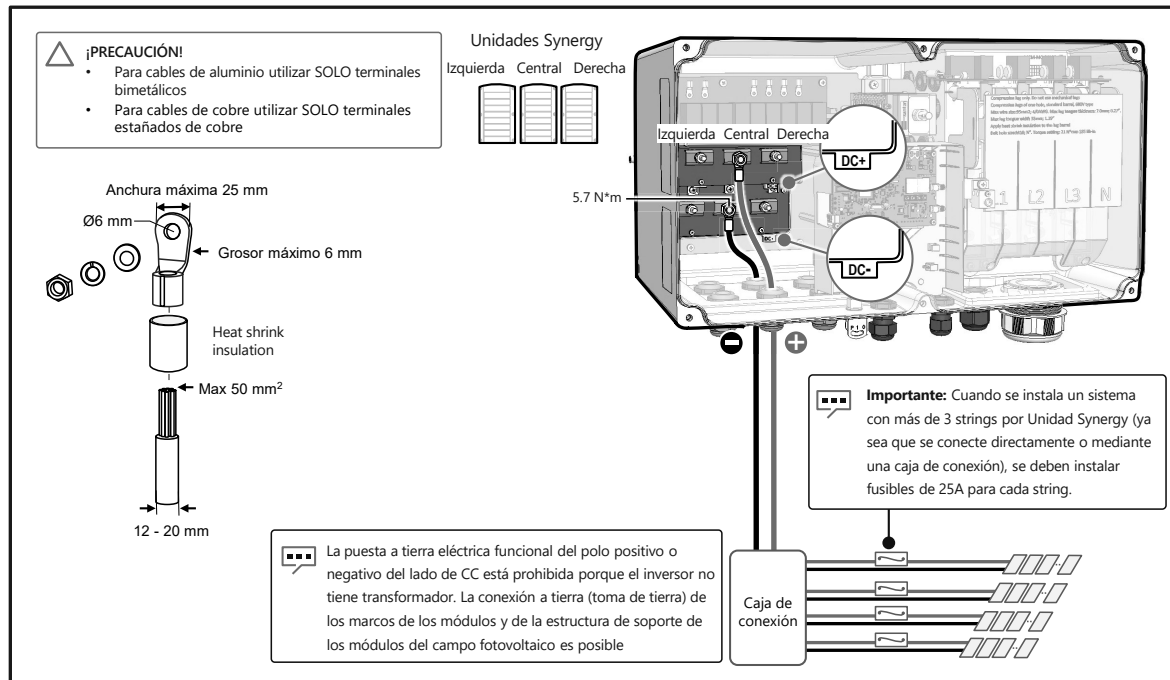
8

Conexión de strings FV



Conexión de strings fotovoltaicos a una entrada de CC única

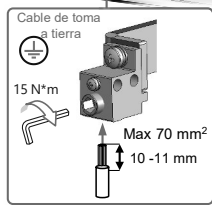
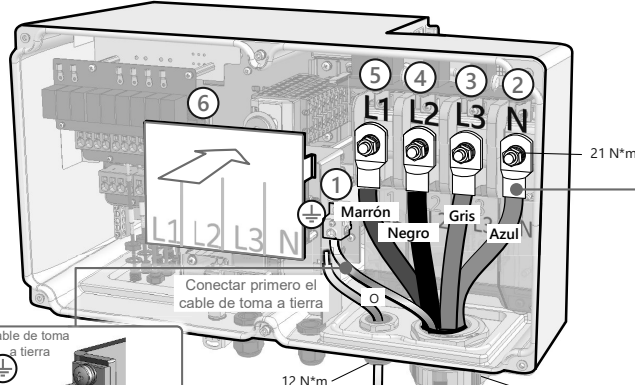
8



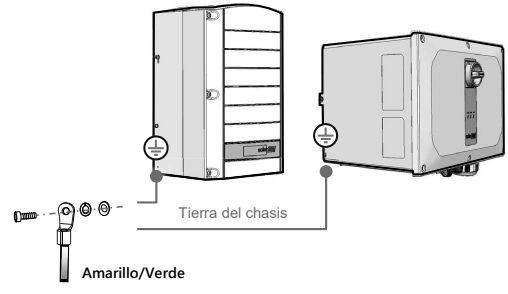
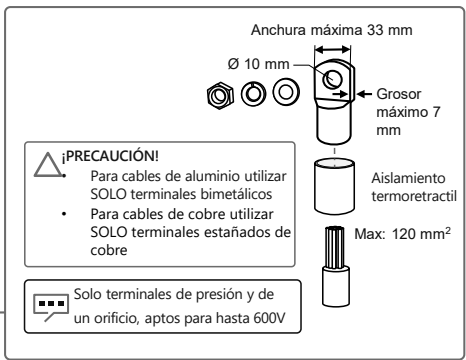
9 Conexión de CA y toma a tierra (PE)

El inversor admite una conexión de 4 cables + tierra o de 3 cables + tierra

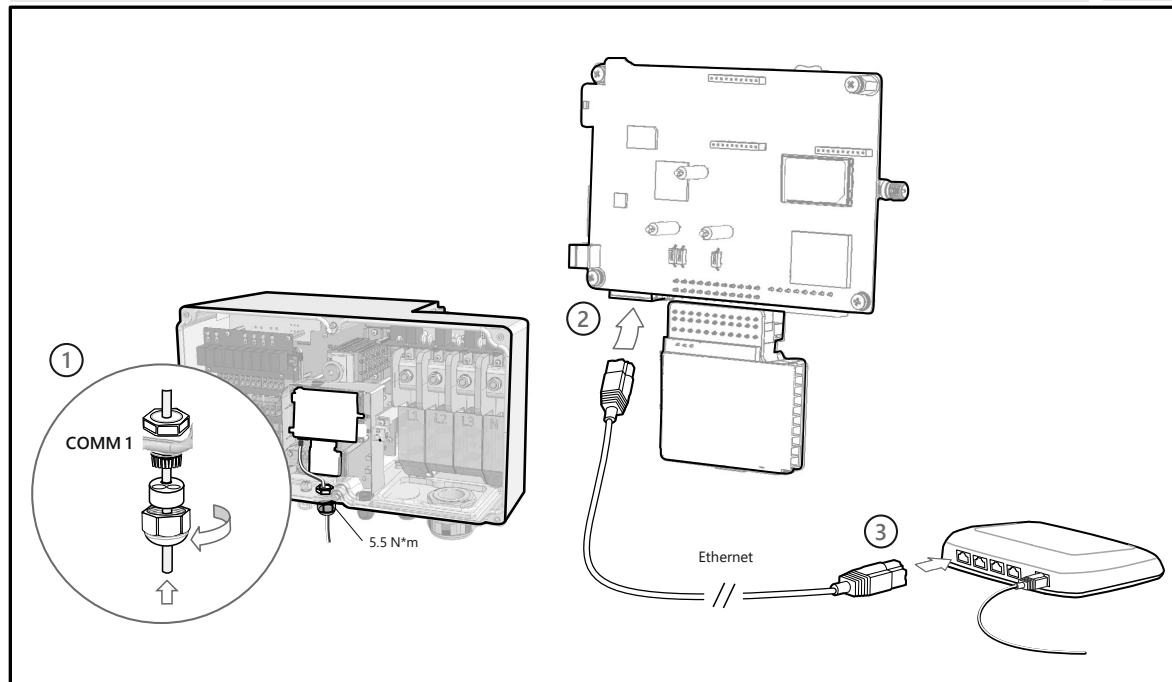
La protección contra sobrecorrientes para la salida de CA debe conseguirse de fabricantes terceros, consultar el manual para indicaciones al respecto



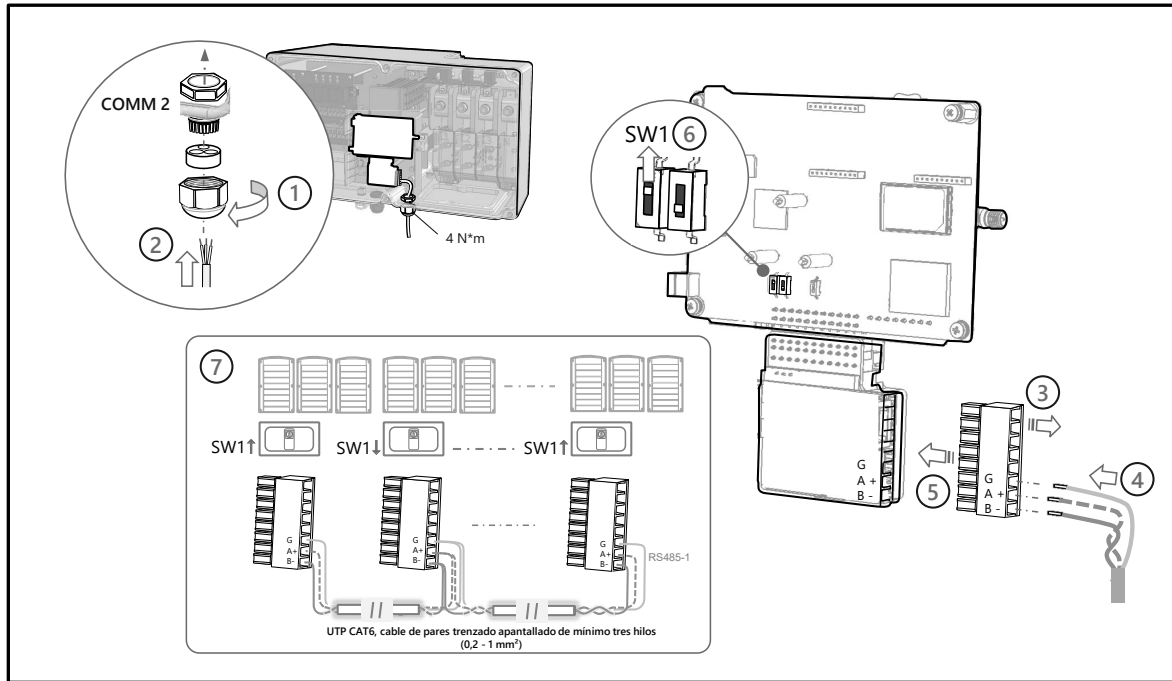
Si se usa un cable trenzado, es posible emplear una ferrita a discreción del instalador



Comunicación LAN 10

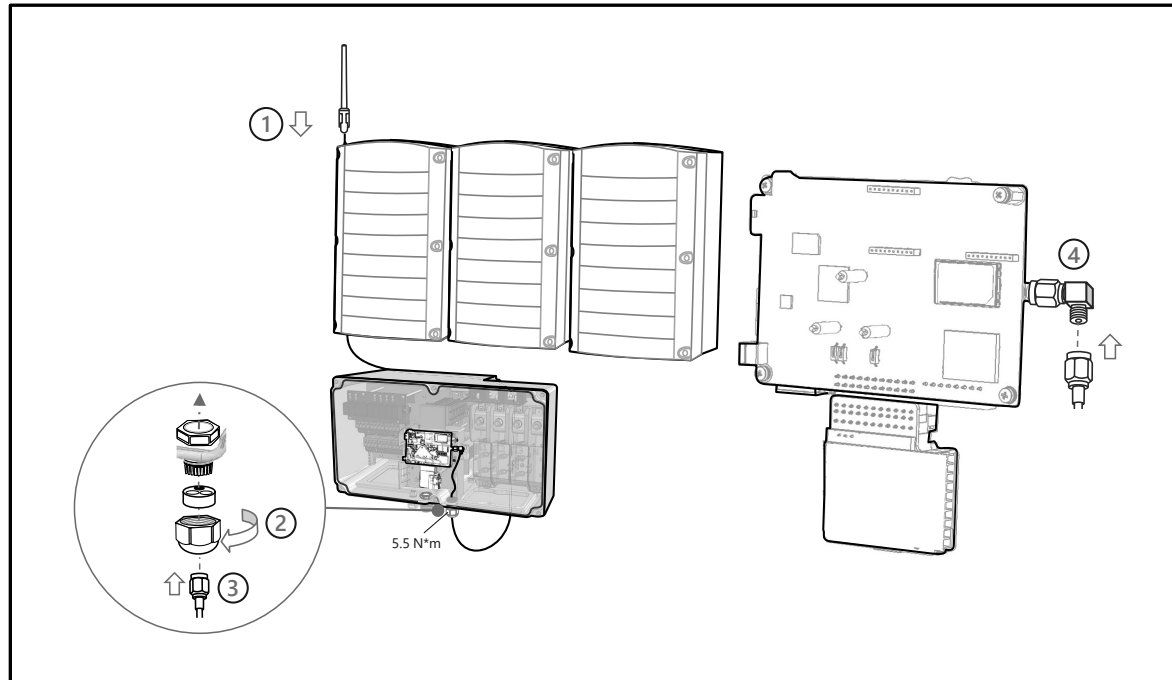


11 Conexión RS485 entre múltiples inversores

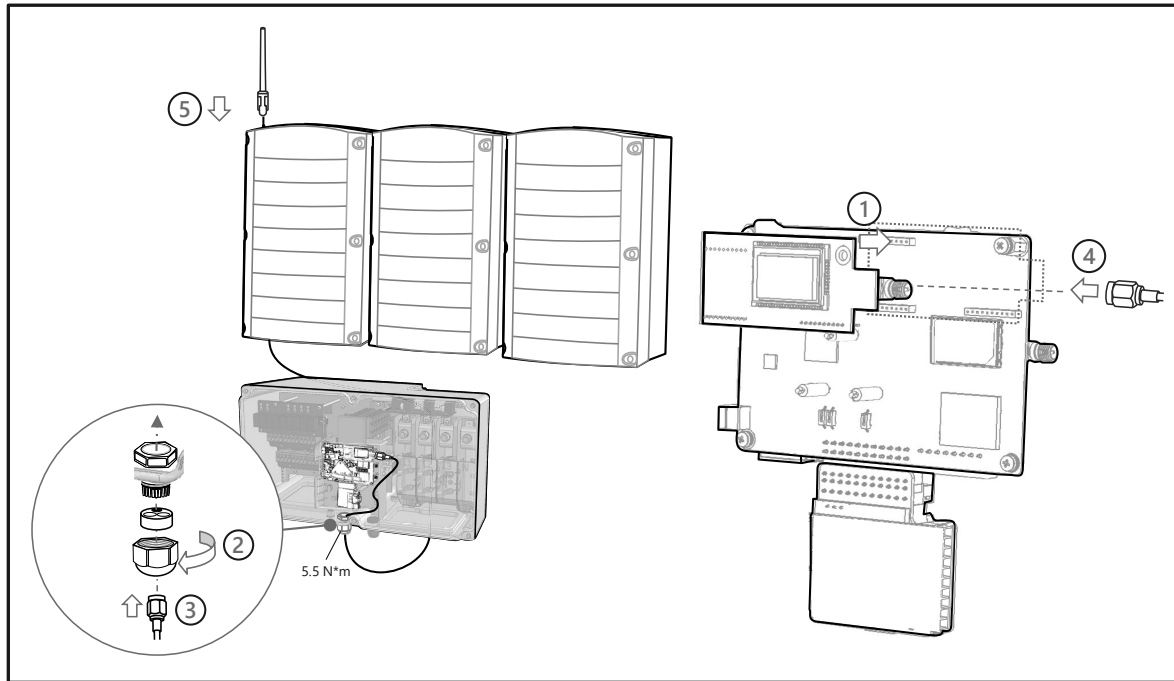


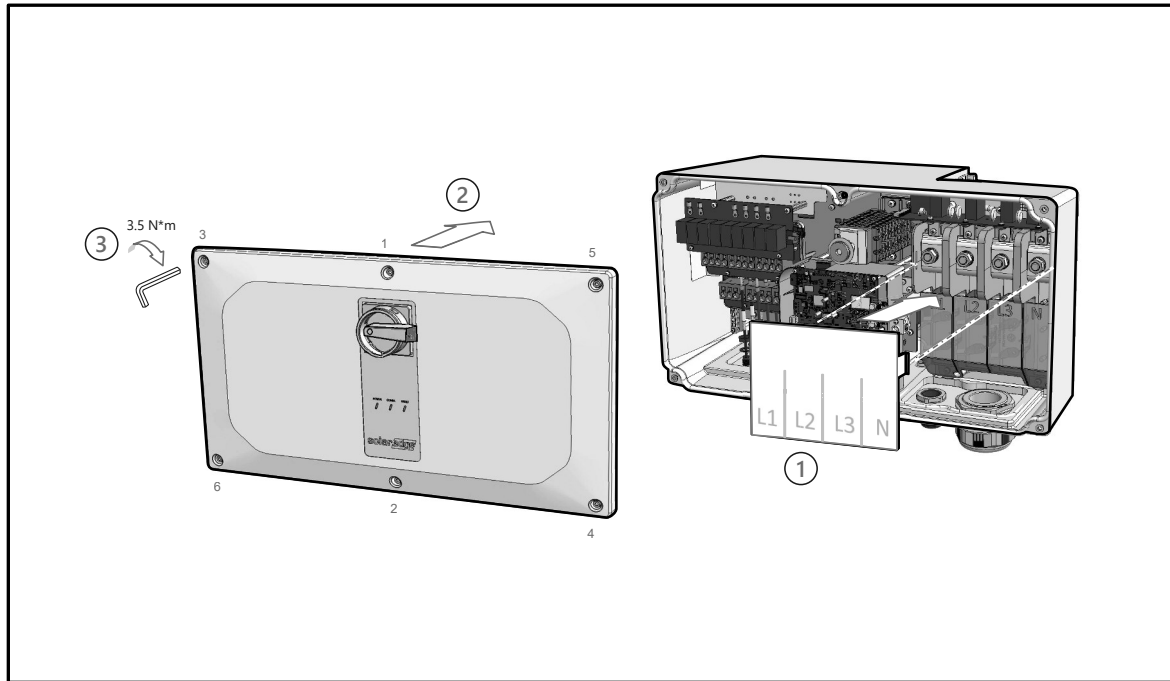
Conexión para la comunicación Wi-Fi (opcional)

12

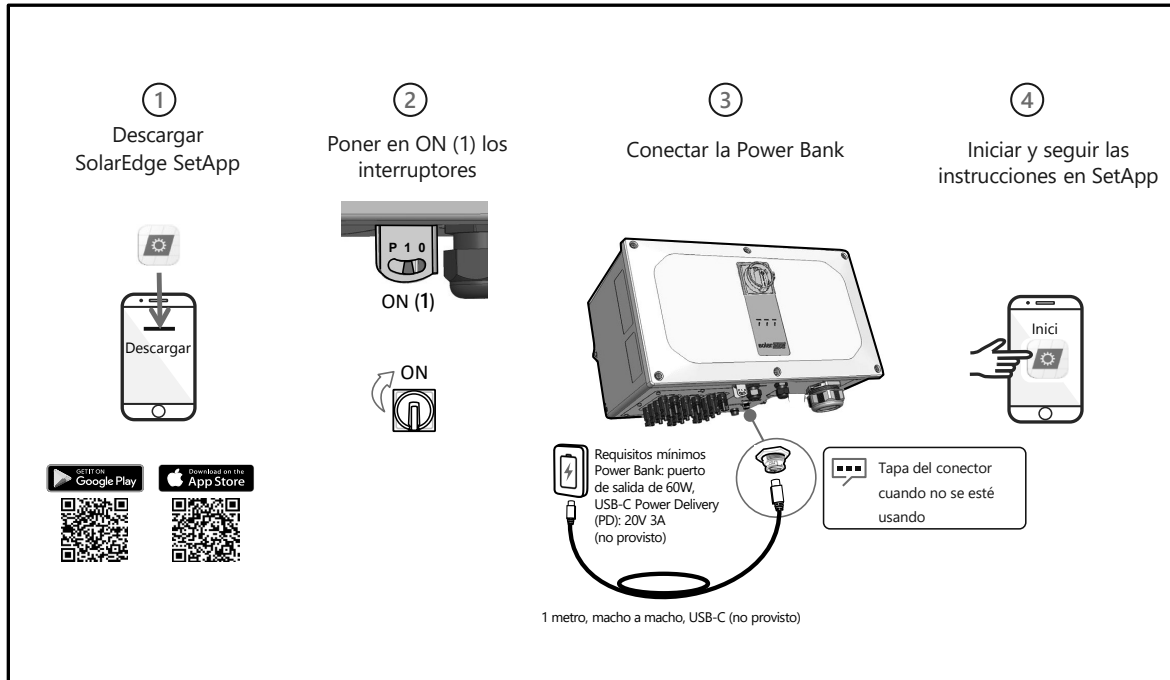


13 Conexión para la comunicación móvil (opcional)



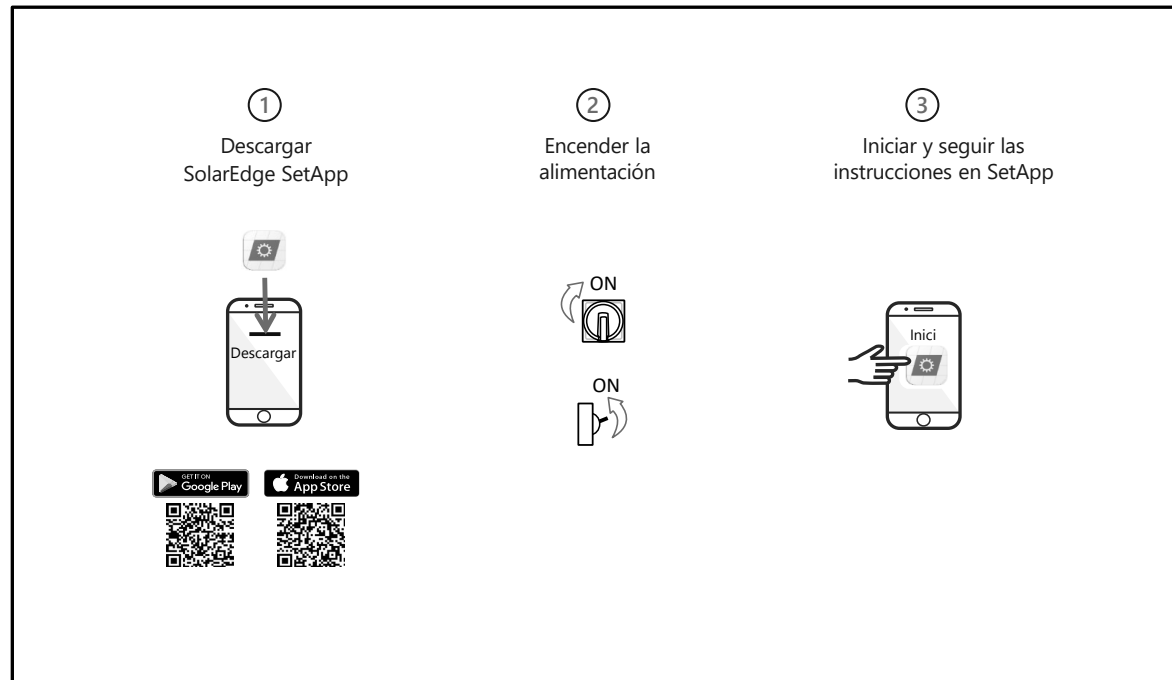


15 Puesta en marcha previa sin alimentación CA (opción 1)



Puesta en marcha con alimentación CC y CA (opción 2)

16



17 Puesta en marcha del inversor líder

1 País e idioma >

2 Emparejamiento >

3 **Comunicación de la planta** >

4 **Estado** >

RS485-1 → Protocolo → SolarEdge → Líder SolarEdge





RS485-1 → Detección de Seguidores

Planta		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/0
Inversor		
Power 100kW	Voltage 277 V _{ac}	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Unidades de inversor		
Left SN 07318000	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 V _{dc}	Voltage 850 V _{dc}	Voltage 850 V _{dc}
P_OK 47.91.47	P_OK 47.91.47	P_OK 47.91.47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

POTENCIA COMUNICACIÓN ERROR

Verde Azul Rojo

	El sistema está produciendo energía
	La CA está conectada pero el sistema no está generando energía
	El inversor está comunicando con el portal de monitorización
	Error del sistema

The SolarEdge logo is positioned in the top-left corner of a large black trapezoidal shape. The logo consists of the word "solar" in a lowercase, sans-serif font, followed by "edge" in a similar font but with a white horizontal bar cutting through the middle of the letters "e" and "d".

solar**edge**

Información de Contacto de Asistencia Técnica
En caso de algún problema con los productos
SolarEdge por favor contacte con nuestra
asistencia técnica:
<https://www.solaredge.com/es/service/support>

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