



INVERTER IBRIDO

ARM-3~8K

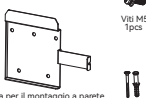
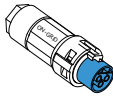
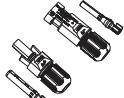
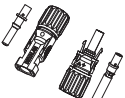
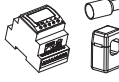


Guida all'installazione rapida

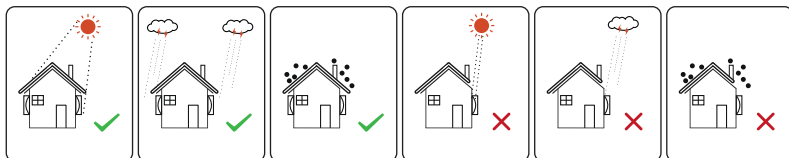
Versione italiana

1 Installazione

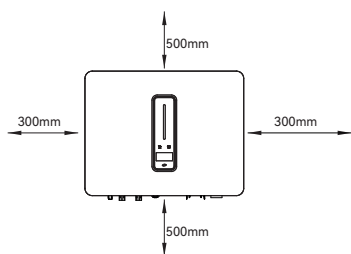
A Controlla la lista

 Inverter 1 pz	 Staffa per il montaggio a parete 1pcs Set tasselli di espansione 5 pz Viti M5 1pcs	 Set Connettori di rete (blu) 1 pz	 Set Connettori di Back-up (nero)
 Terminali TV MHS-3-3.6K-30 1 paio / MHS-4.2-8K-30 2 paia	 Terminali Batteria 1 paio	 Meter con 3 TA 1 pz	 Set Connettori COM2 1 pz
 Dispositivo di monitoraggio 1pz	 10m cavo di comunicazione del meter 1pz 3m cavo di comunicazione della batteria 1pz	 Terminale PE 1pz	 Manuale d'uso Guida per l'utente 3pz

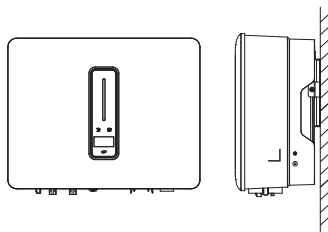
B Località di installazione



C Spazio di installazione



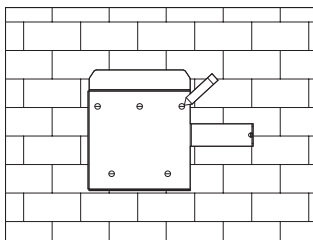
D Angolo di installazione



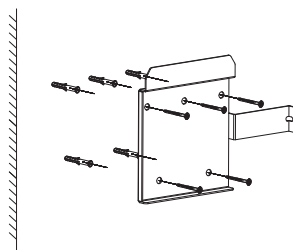
Parte 1
Installazione

Parte 2
Connessione elettrica

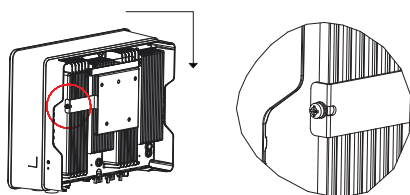
E Segnare la posizione e praticare i fori



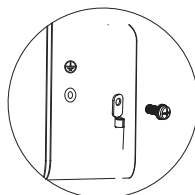
F Fissare la staffa a parete



G Montaggio dell'inverter



H Collegamento del terminale di messa a terra



2 Collegamento Elettrico

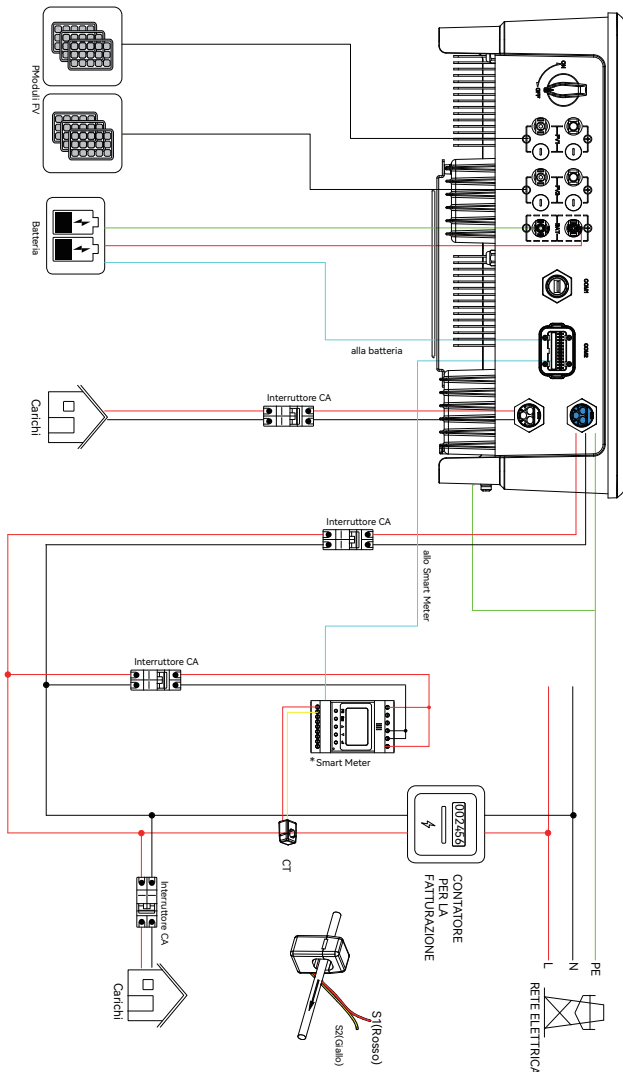
A Requisiti dei cavi

Tipi di Cavo	Requisiti dei cavi	
	Diametro Esterno	Sezione del nucleo del conduttore
Cavo CA	10.0-18.0 mm	2.5-10.0 mm ²
Cavo fotovoltaico	5.9-8.8 mm	2.5-4.0 mm ²
Cavo di alimentazione della batteria	5.0-8.0 mm	10 mm ²

Connettore CA: Si prega di distinguere il connettore di rete ON-Grid e quello di Back-up, il connettore On-Grid è rosso e quello di Back-up è nero.

Cavo di alimentazione della batteria: Se la sezione del cavo della batteria è insufficiente, potrebbe causare un cattivo contatto tra il terminale e il cavo, utilizzare il cavo indicato nella tabella precedente o contattare il produttore per acquistare terminali con altre specifiche.

B Schema di cablaggio elettrico

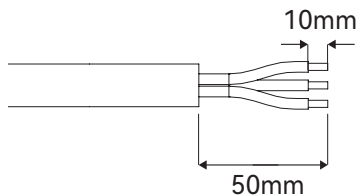


*Lo Smart Meter è composto da ACR10R e SM. Definire le connessioni dei cavi dello Smart Meter in base al modello e fare riferimento alla definizione dei terminali del Meter. Questo schema dei cavi è solo di riferimento.

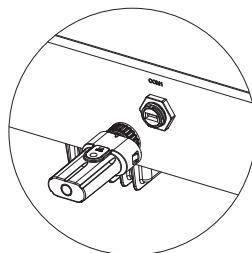
Parte 1 Installazione

Parte 2 Connessione elettrica

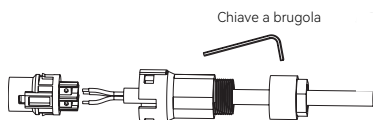
C Connessione CA



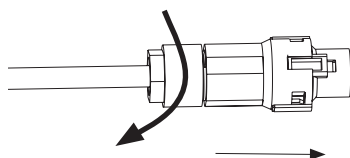
D Installazione del dispositivo di monitoraggio



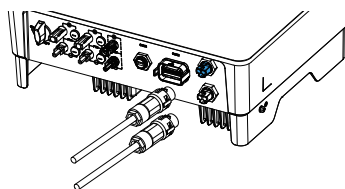
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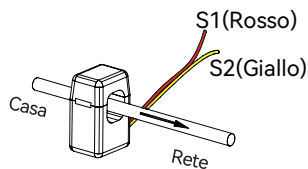
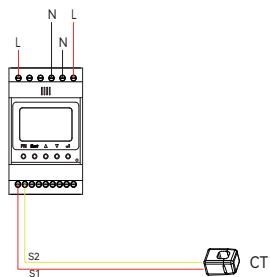
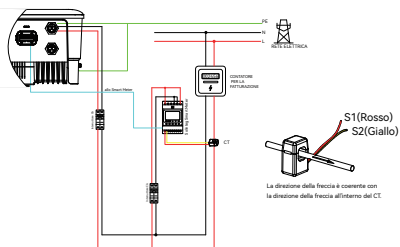


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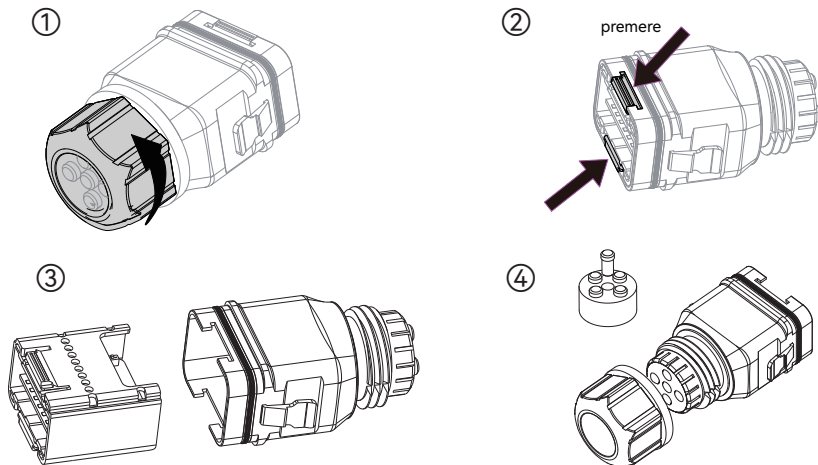
E Collegamento del contatore e del TA



Definizione dei terminali del Meter

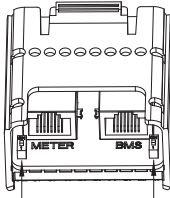
No.	Definizioni		Funzioni
	ACR10R	SM	
1	L		L/N collegamento alla rete per rilevare la tensione della rete elettrica
2	/		
3	/		
4	N		
5	L-S1		Per rilevare la corrente e la direzione del TA
6	L-S2		
7	/		
8	/		
9	/		
10	/		
11	/	PE	Connessione di Terra
12	L	/	Alimentazione dalla rete
13	N	/	
RS485	/	Riserva	/
	RS485	RS485-2	Comunicazione con l'inverter ibrido
ANT	/	Riserva	/
LAN	/	Riserva	
Tipo C	/	Tipo C	Specifica Interfaccia di debug. Non utilizzarla da parte di non professionisti

F Collegamento di comunicazione

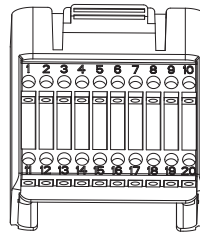


Parte 1 Installazioni

Parte 2 Connessione elettrica

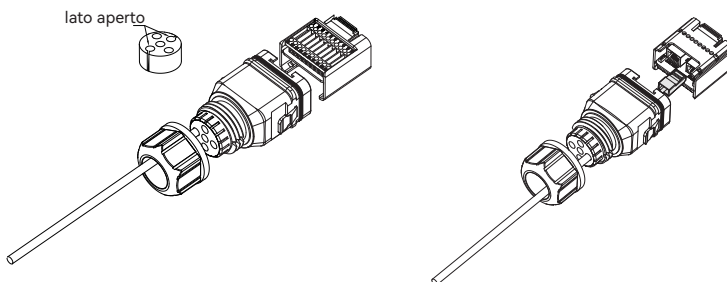


Resistenza del terminale per CAN (parallelo)
Resistenza del terminale per RS485 (EMS)



Pin	Definizioni	Funzioni
RJ45-1	RS 485	Comunicazione con il Meter
RJ45-2	CAN	Comunicazione con il BMS
1	COM	Relè multifunzione
2	NO (Normalmente aperto)	
3-4	/	Riservato
5	DRM4/8	DRED Per l'Australia e la Nuova Zelanda RCR Per la Germania e alcuni altri paesi europei.
6	DRM3/7	
7	DRM2/6	
8	DRM1/5	
15	COM D/0	
16	REF D/0	
9-10	/	Riservato
11	Arresto di emergenza +	Arresto di emergenza
12	Arresto di emergenza -	
13	485 B1	EMS
14	485 A1	
17	CANL_P	CAN per il collegamento in parallelo degli inverter
18	CANH_P	
19-20	/	Riservato

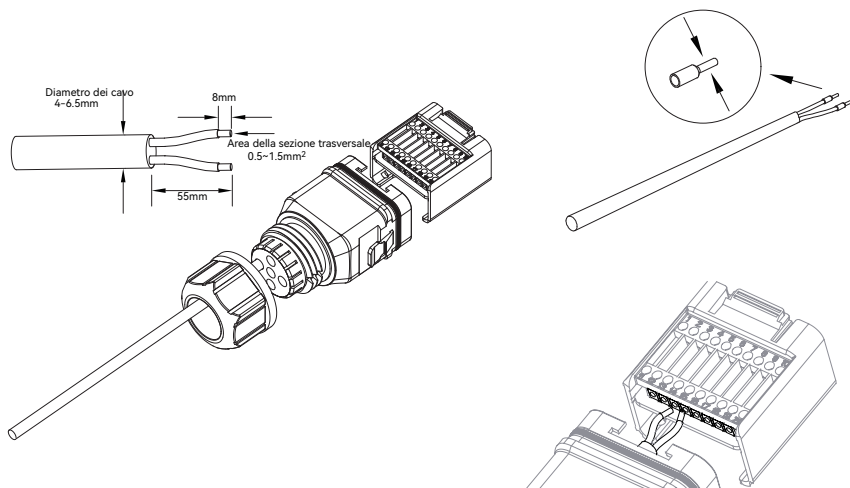
Collegare i cavi di comunicazione del Meter e del BMS



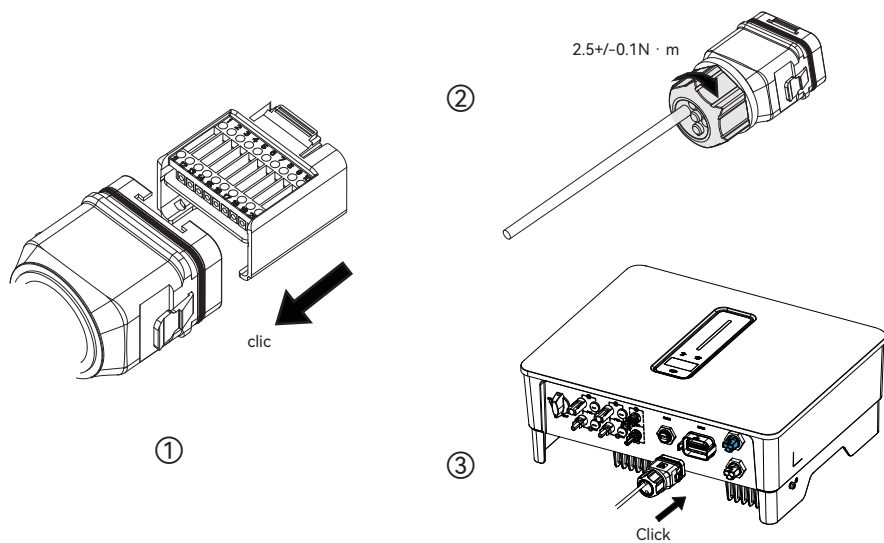
Parte 1
Installazione

Parte 2
Connessione elettrica

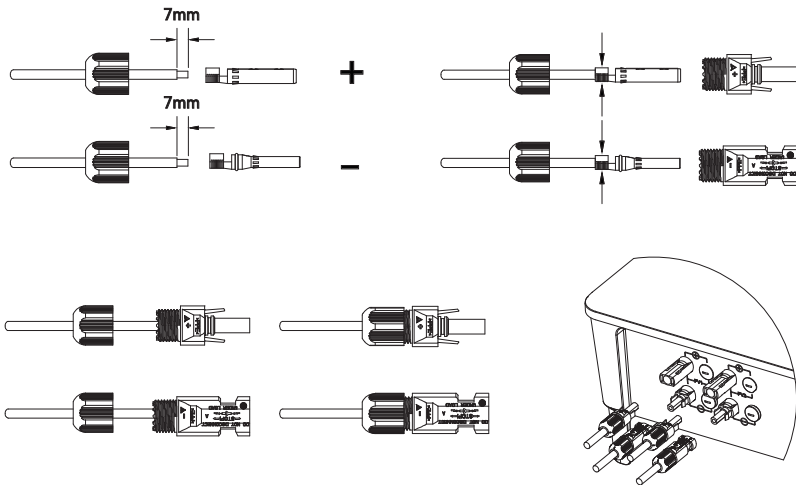
Collegare altri cavi



Installazione del connettore COM

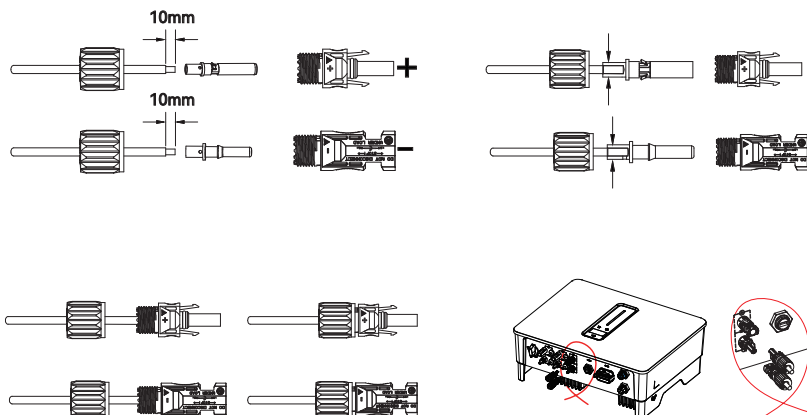


G Connessione di stringhe FV



PV Max. La tensione di ingresso è di 550 V senza batteria o 500 V con batteria, altrimenti l'inverter rimarrà in attesa.

H Cavo di alimentazione della batteria





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Hybrid Inverter
ARM-3~8K



Quick Installation Guide

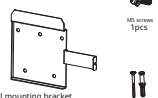
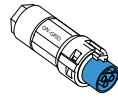
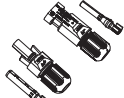
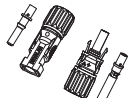
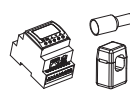
English version

Part 1
Installation

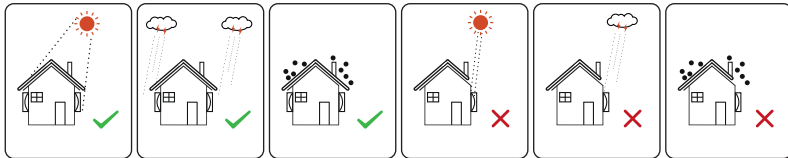
Part2
Electrical connection

1 Installation

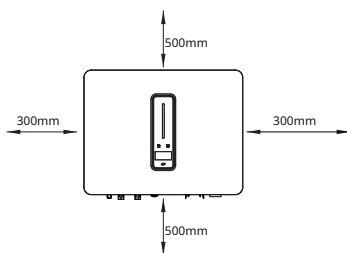
A Check the list

 Inverter 1 pc	 Wall mounting bracket 1pcs Dowel set expansion 5 pcs	 Network connector set (blue) 1 pc	 Back-up Connector Set (black)
 TV terminals MHS-3-3.6K-30 1 pair / MHS-4.2-8K-30 2 pairs	 1 pair Battery Terminals	 Meter with 3 CTs 1 pc	 COM2 Connector Set 1 pc
 Monitoring device 1pc	 10m meter communication cable 1pc 3m battery communication cable 1pc	 PE Terminal 1pc	 User Guide 3pcs

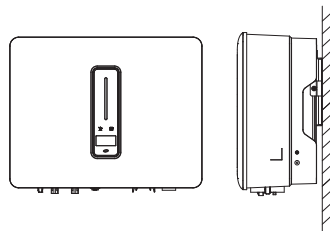
B Installation location



C Installation space



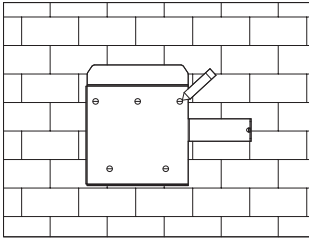
D Installation angle



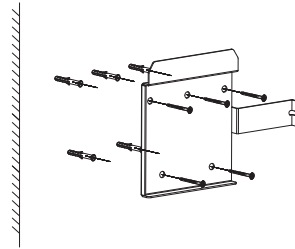
Part 1
Installation

Part2
Electrical connection

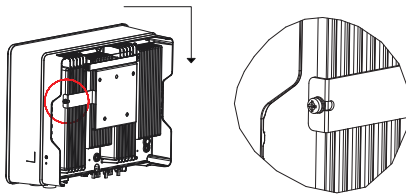
E Mark the position and drill the holes



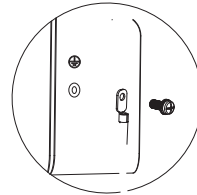
F Attach the bracket to the wall



G Mounting the inverter



H Connecting the grounding terminal to



2 Electrical Connection

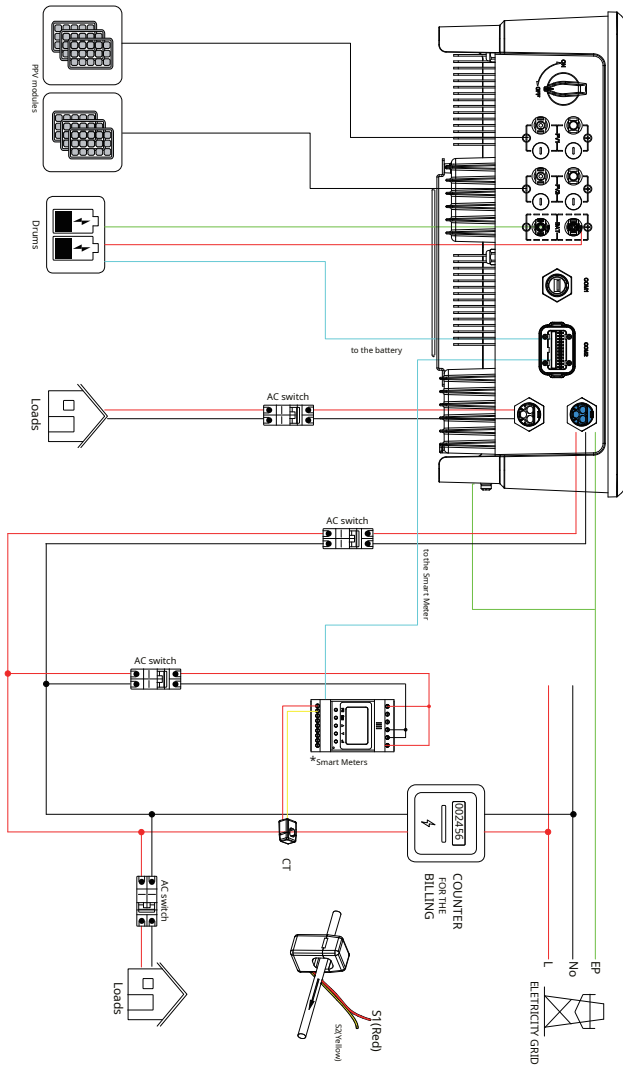
A Cable requirements

Cable Types	Cable requirements	
	Outer diameter	Section of the nucleus of conductor
AC cable	10.0-18.0mm	2.5-10.0 mm ²
Photovoltaic cable	5.9-8.8mm	2.5-4.0 mm ²
Battery power cable	5.0-8.0mm	10 mm ²

AC Connector:Please distinguish the ON-Grid and Back-up network connector, the On-Grid connector is red and the Back-up connector is black.

Battery power cable:If the section of the battery cable is insufficient, it may cause bad contact between the terminal and the cable, please use the cable indicated in the table above or contact the manufacturer to purchase terminals with other specifications.

B Electrical wiring diagram

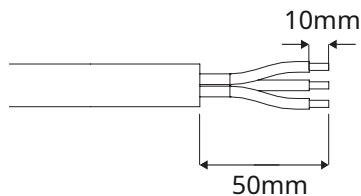


* The Smart Meter consists of ACR10R and SM. Define the Smart Meter cable connections according to the model and refer to the Meter terminal definition. This wiring diagram is for reference only.

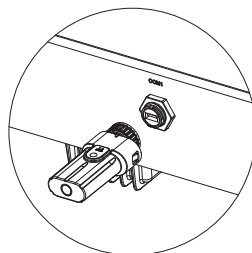
Part 1
Installation

Part 2
Electrical connection

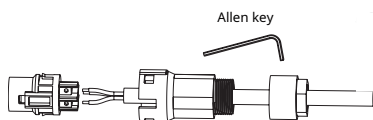
C AC connection



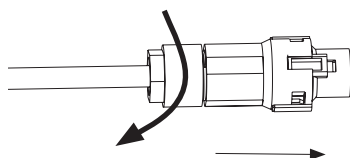
D Installation of the monitoring device



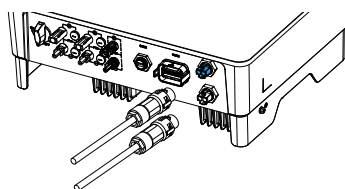
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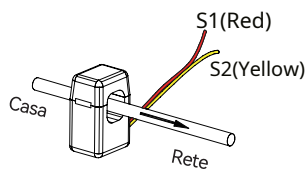
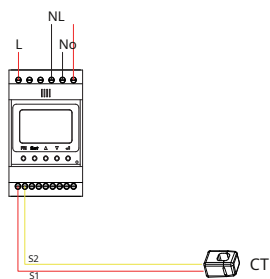
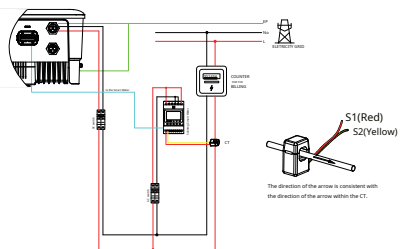


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E Connection of the meter and the CT

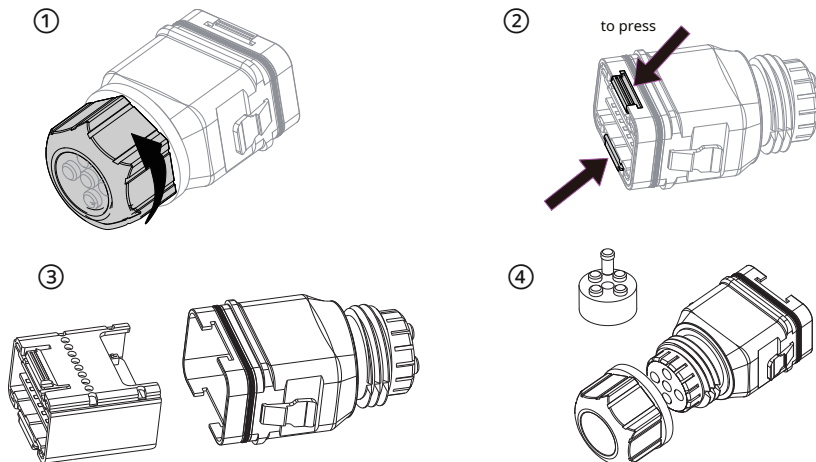


Definition of Meter terminals

No.	Definitions		Functions
	ACR10R	SM	
1	L		L/N connection to the mains to detect the voltage of the electrical network
2	/		
3	/		
4	No		
5	L-S1		To detect the current and direction of the CT
6	L-S2		
7	/		
8	/		
9	/		
10	/		
11	/	EP	Earth connection
12	L	/	Mains powered
13	No	/	
RS485	/	Reserve	/
	RS485	RS485-2	Communication with the hybrid inverter
ANT	/	Reserve	/
LAN	/	Reserve	
Type C	/	Type C	Specify Debug Interface. Do not use it by non-professionals

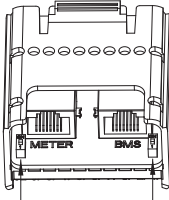
F

Communication link

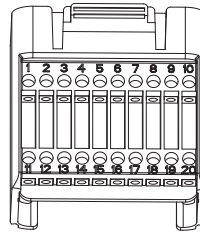


Part 1
Installation

Part 2
Electrical connection

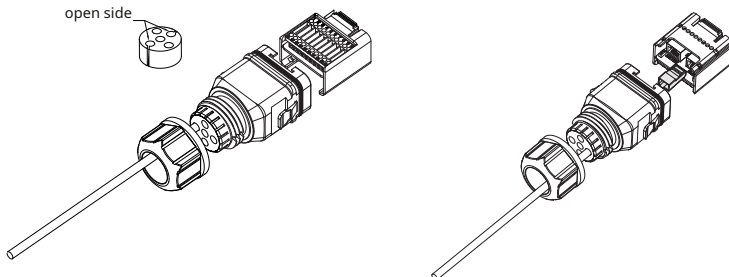


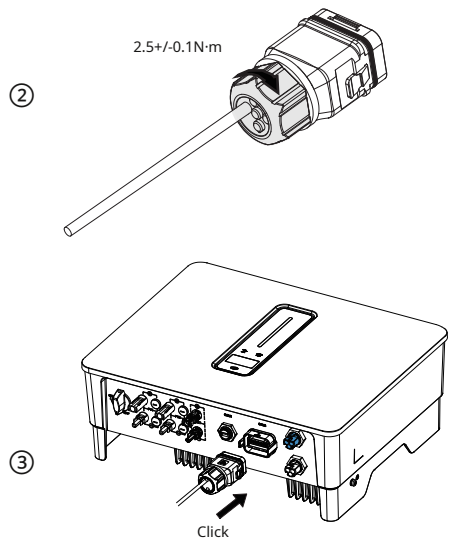
Terminal resistance for CAN (parallel)
Terminal resistance for RS485 (EMS)



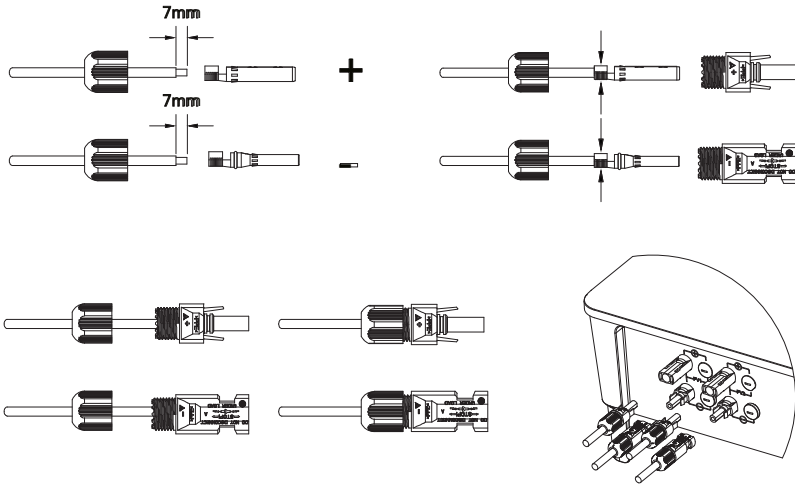
Pin Pin	Definitions	Functions Function
RJ45-1	RS 485	Communication with the Meter
RJ45-2	CAN	Communication with the BMS
1	COM	Multifunction relay
2	NO (Normally open)	
3-4	/	Reserved
5	DRM4/8	DRED For Australia and New Zealand RCR For Germany and some other European countries.
6	DRM3/7	
7	DRM2/6	
8	DRM1/5	
15	COM D/0	
16	REF D/0	
9-10	/	Reserved
11	Emergency stop +	Emergency stop
12	Emergency stop -	
13	485 B1	EMS
14	485 A1	
17	CANL_P	CAN for parallel connection of inverters
18	CANH_P	
19-20	/	Reserved

Connect the communication cables of the Meter and BMS



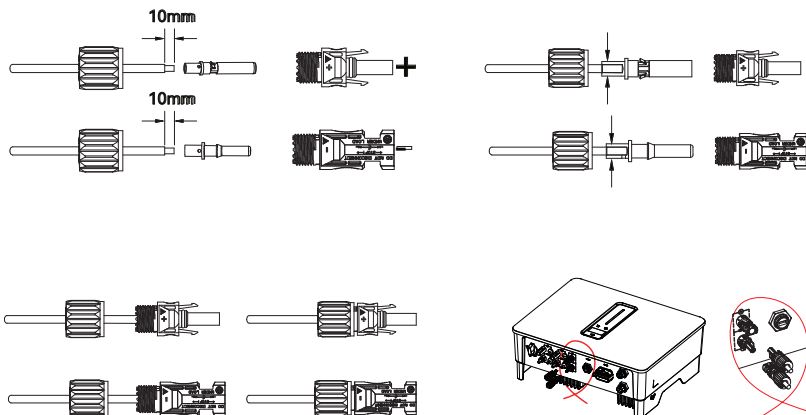


G Connection of PV strings



PV Max. The input voltage is 550V without battery or 500V with battery, otherwise the inverter will standby.

H Battery power cable





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