



Quick Installation Guide

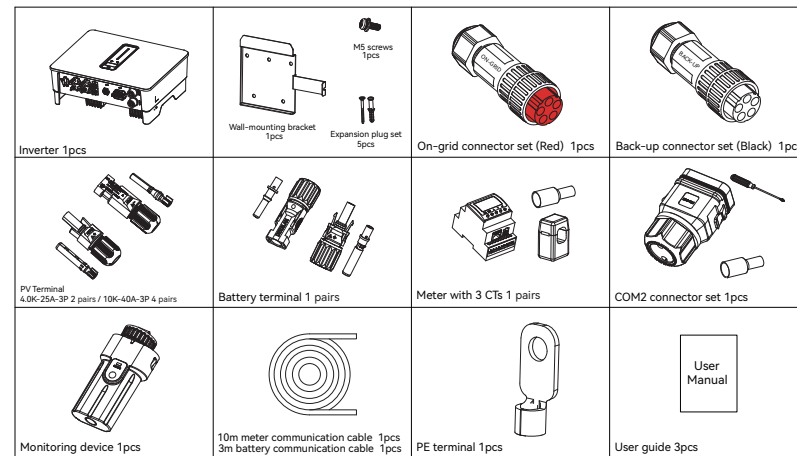
Wattsonic Gen3 Hybrid Inverter

4/5/6/8/10/12KW-25A-3P
10/12/15/20KW-40A-3P

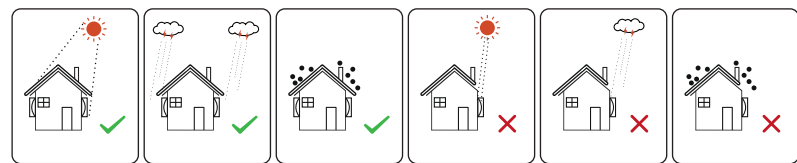
Part 1 Installation

1 Installation

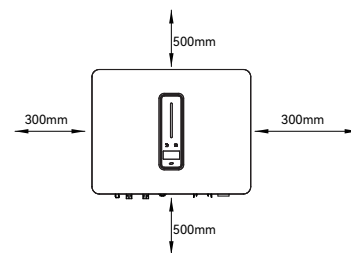
A Check Packing List



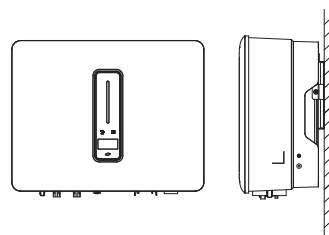
B Installation Location



C Installation Space

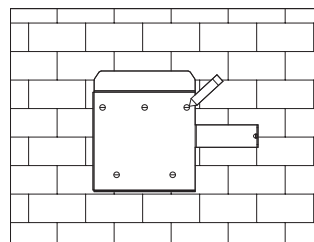


D Installation Angle

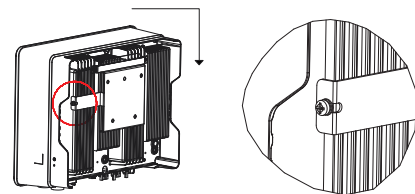


Part 1 Installation

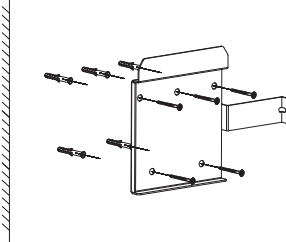
E Mark the position and drill holes



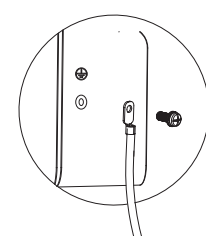
G Mounting inverter



F Fix wall bracket



H Grounding terminal connection



2 Electrical Connection

A Cable Requirements

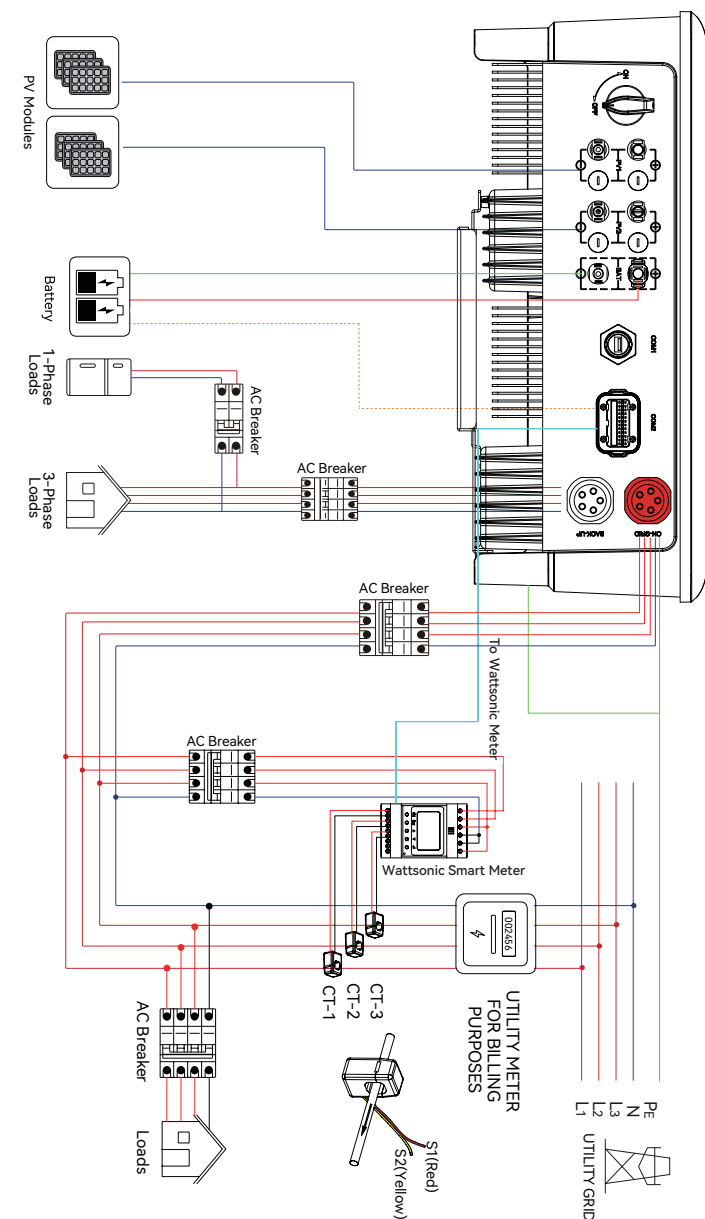
Cable types	Cable requirements	
	Outside diameter	Conductor core section
AC cable	13.0-18.0 mm	2.5-10.0 mm ²
PV cable	5.9-8.8 mm	2.5-4.0 mm ²
Battery power cable	5.0-8.0 mm	10 mm ²

AC Connector: Please distinguish the on-grid and back-up connector, On-grid connector is red and Back-up connector is Black.

Battery power cable: If the conductor core of the battery cable is too small, which may cause poor contact between the terminal and the cable, please use the cable specified in the above table, or contact Wattsonic to purchase terminals of other specifications.

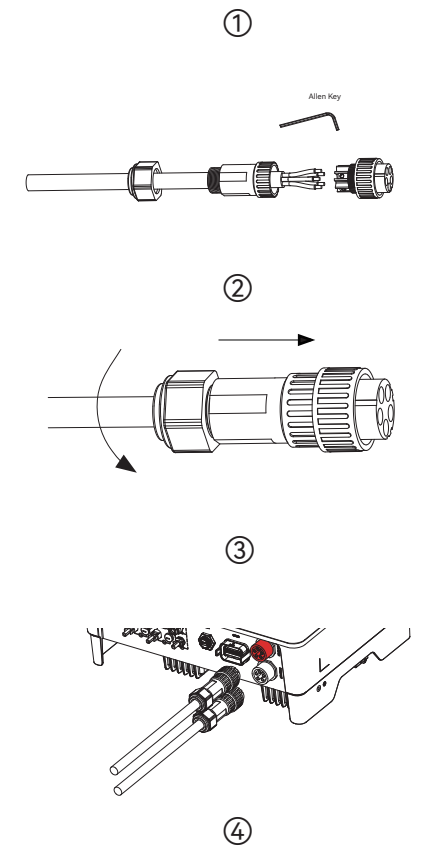
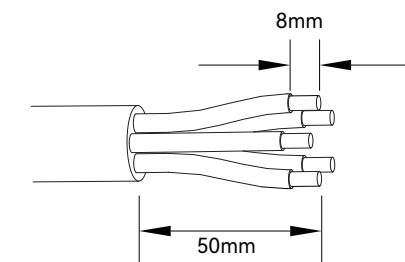
Part 1 Installation

B Electrical wiring diagram

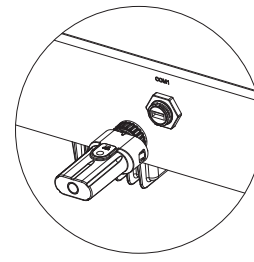


Part 1 Installation

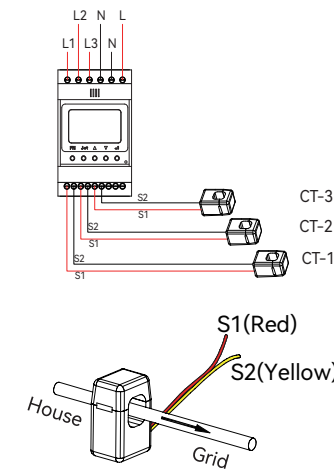
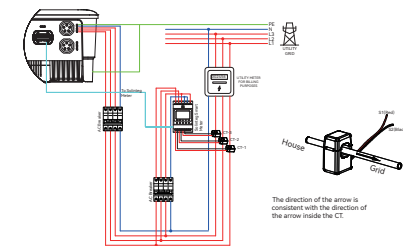
C AC Connection



D Monitoring Device Installation



E Meter and CT connection





Part 1
Installation

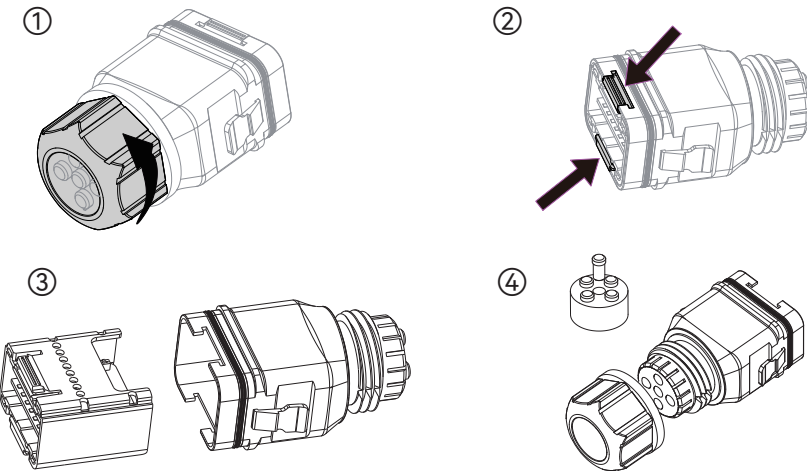
Part 2
Electrical Connection

Meter terminals definition

No.	Definition	Function
5	L1-S1	To detect the CT current
6	L1-S2	
7	L2-S1	
8	L2-S2	
9	L3-S1	L1/L2/L3/N connect to grid to detect power grid voltage
10	L3-S2	
1	L1	
2	L2	
3	L3	
4	N	
12	L	Power supplied from grid
13	N	
RS485	RS485	Communicate with inverter

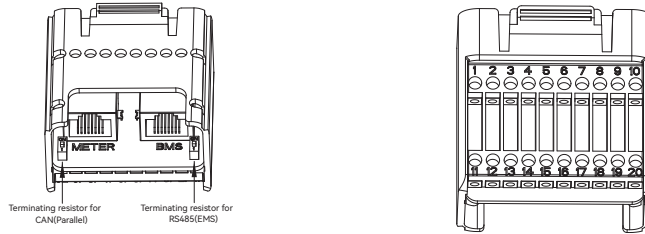
F

Communication Connection



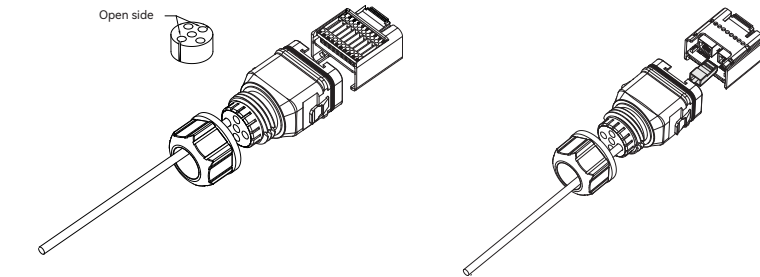
Part 1
Installation

Part 2
Electrical Connection



Pin	Definition	Function
RJ45-1	RS 485	Communicate with Meter
RJ45-2	CAN	Communicate with BMS
1	COM	Multifunction Relay
2	NO (Normally Open)	
3-4	/	Reserved
5	DRM4/8	
6	DRM3/7	DRED For Australia and New Zealand
7	DRM2/6	
8	DRM1/5	
15	COM D/O	
16	REF D/O	Reserved
9-10	/	
11	Fast stop +	Fast stop
12	Fast stop -	
13	485 B1	EMS
14	485 A1	
17	CANL_P	CAN for parallel connection of inverters
18	CANH_P	
19-20	/	Reserved

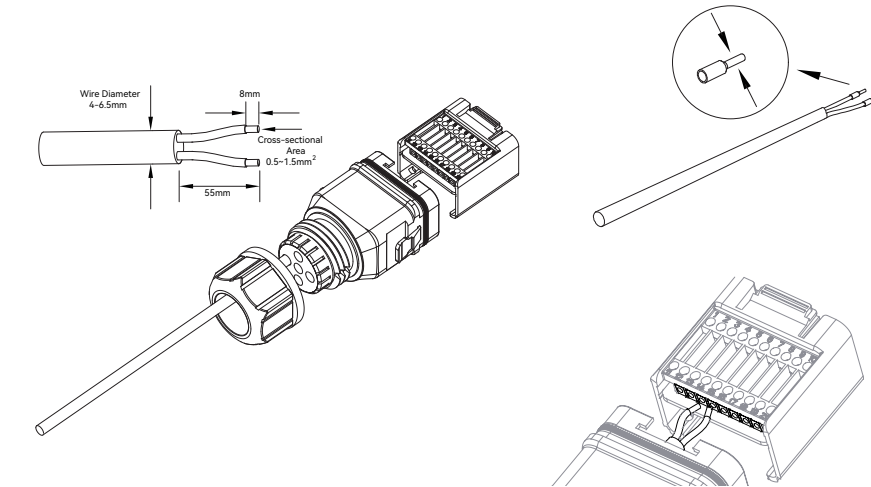
Connect the Meter and BMS communication cables



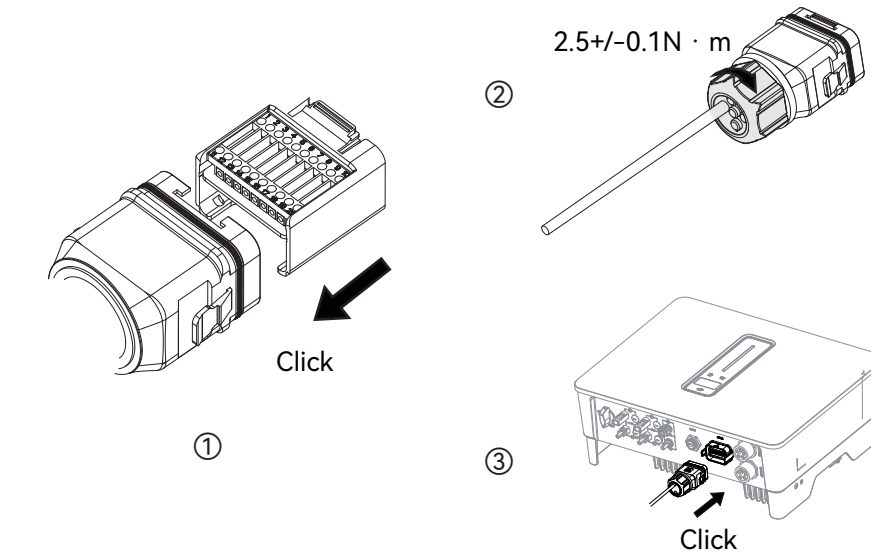
Part 1
Installation

Part 2
Electrical Connection

Connect other cables



Installing the COM Connector



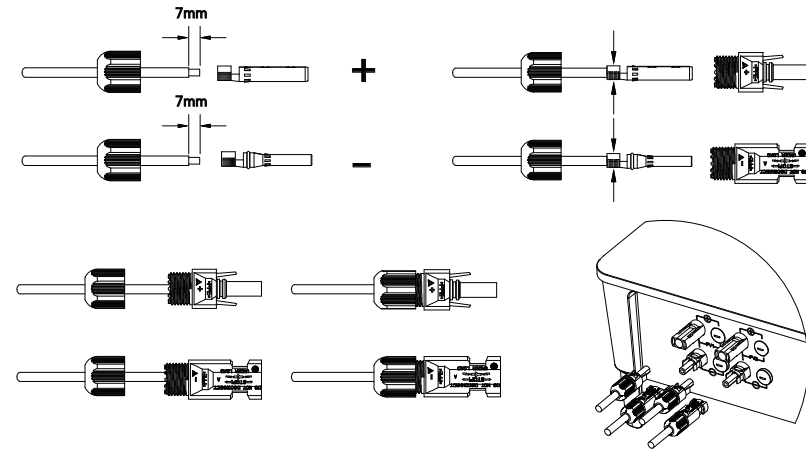
Part 1
Installation

Part 2
Electrical Connection

G

PV string connection

PV Max. Input voltage is 950V without battery, or 850V with battery, otherwise inverter will be waiting.



H

Power cable of the battery connection

