



Quick Installation Guide

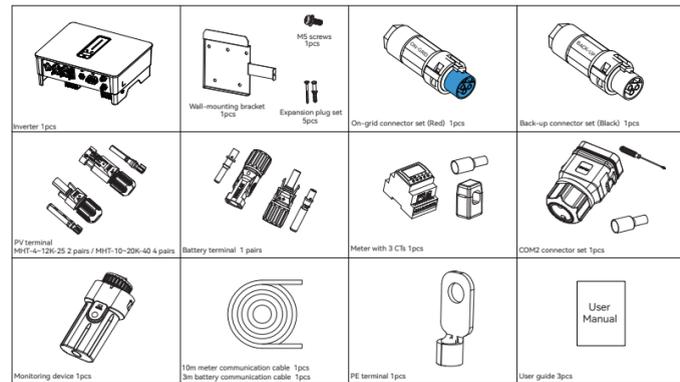
Wattsonic Hybrid Inverter

3-8KW-1P

Part 1 Installation **Part 2** Electrical Connection

1 Installation

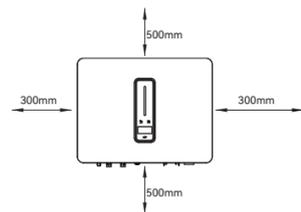
A Check Packing List



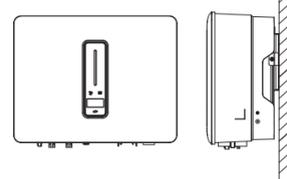
B Installation Location



C Installation Space

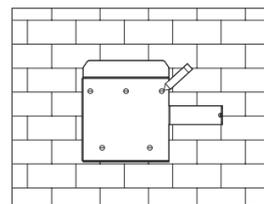


D Installation Angle

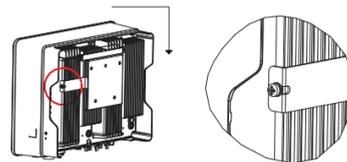


Part 1 Installation **Part 2** Electrical Connection

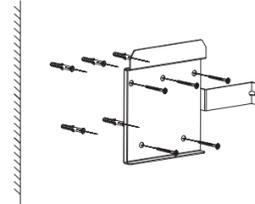
E Mark the Position and Drill Holes



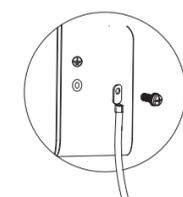
G Mounting Inverter



F Fix Wall Bracket



H Grounding Terminal Connection



2 Electrical Connection

A Check Packing List

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

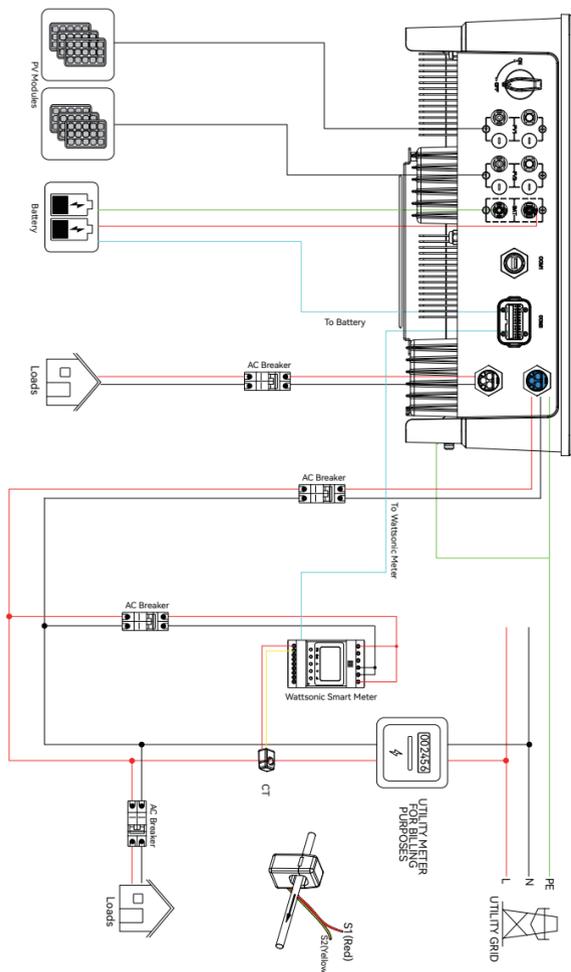
AC cable: On-grid side uses a five-core cable (L1, L2, L3, N, and PE). Back-up side uses a four-core cable (L1, L2, L3, N).

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.

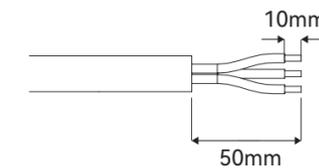
Part 1 Installation **Part 2** Electrical Connection

B Electrical Wiring Diagram

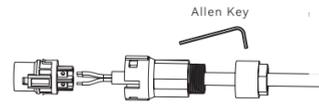


Part 1 Installation **Part 2** Electrical Connection

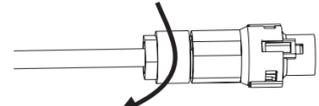
C AC Connection



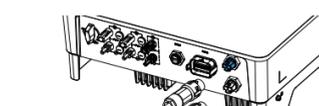
1



2



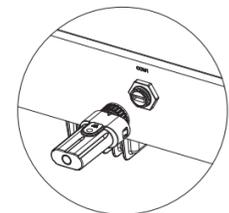
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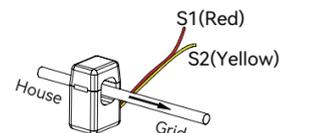
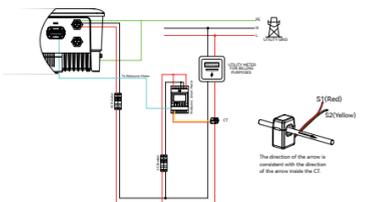
4



D Monitoring Device Installation



E Meter and CT Connection



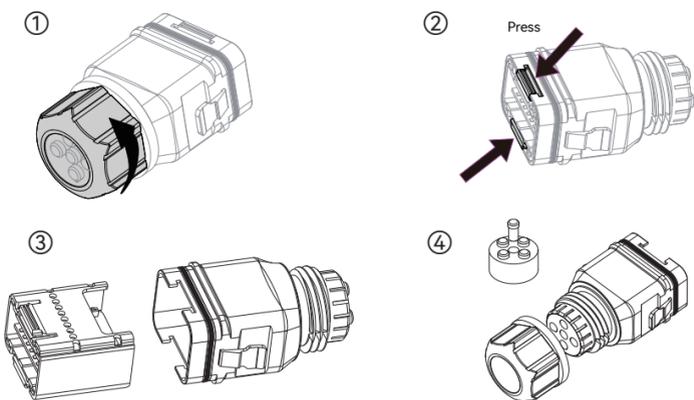
Part 1 Installation

Part 2 Electrical Connection

Meter Terminals Definition

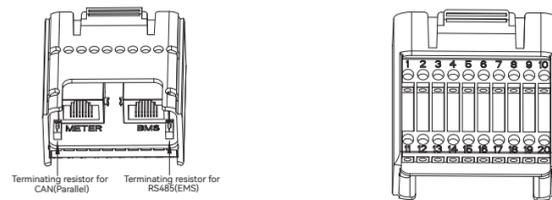
No.	Definition	Function
1	L-S1	To detect the CT current and direction
2	L-S2	
3	/	
4	/	
5	/	
6	/	
7	L	L/N connect to grid to detect power grid voltage
8	/	
9	/	
10	N	Power supplied from grid
12	L	
13	N	
RS485	RS485	Communicate with inverter

F Communication Connection



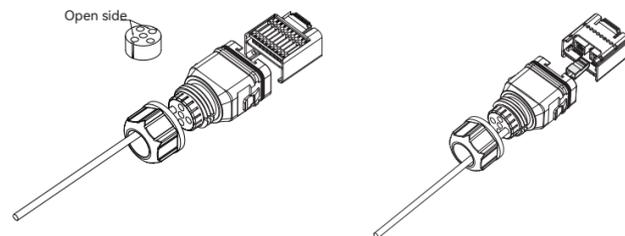
Part 1 Installation

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/0	
16	REF D/0	
9-10	/	Reserved
11	Fast stop +	
12	Fast stop -	Fast stop
13	485 B1	
14	485 A1	EMS
17	CANL_P	
18	CANH_P	CAN for parallel connection of inverters
19-20	/	

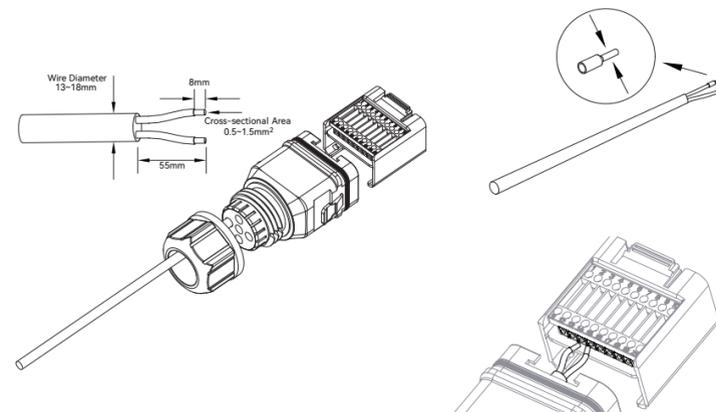
Connect the Meter and BMS Communication Cables



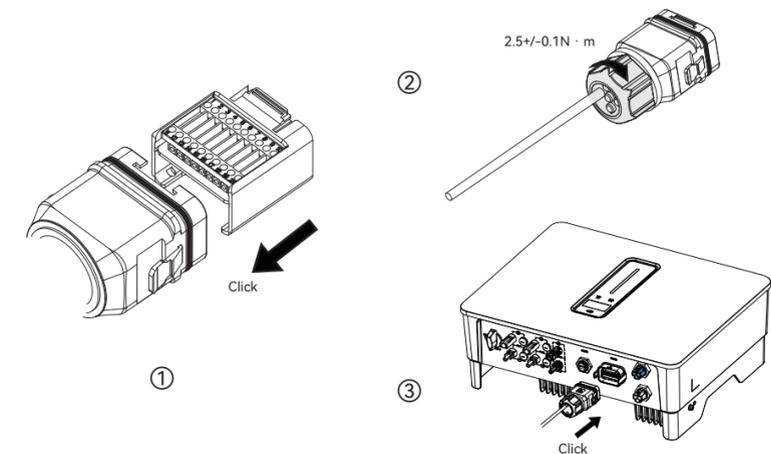
Part 1 Installation

Part 2 Electrical Connection

Connect Other Cables



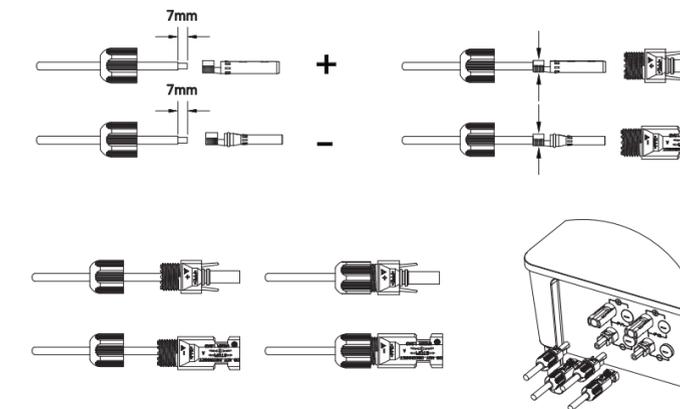
Installing the COM Connector



Part 1 Installation

Part 2 Electrical Connection

G PV String Connection



H Power Cable of the Battery Connection

