

BlueSpark Series

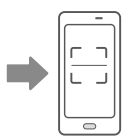
Residential All-In-One Energy Storage System

E4KT-12KT-D22 Inverter

(E4KT/E5KT/E6KT/E8KT/E10KT/E10KTBE / E12KT-D22)

Battery Pack 5.1kWh

(BP48100PF1A-G2)



KSTAR Sync APP



KSTAR Europe
Official Website

Quick Installation Guide (Global)

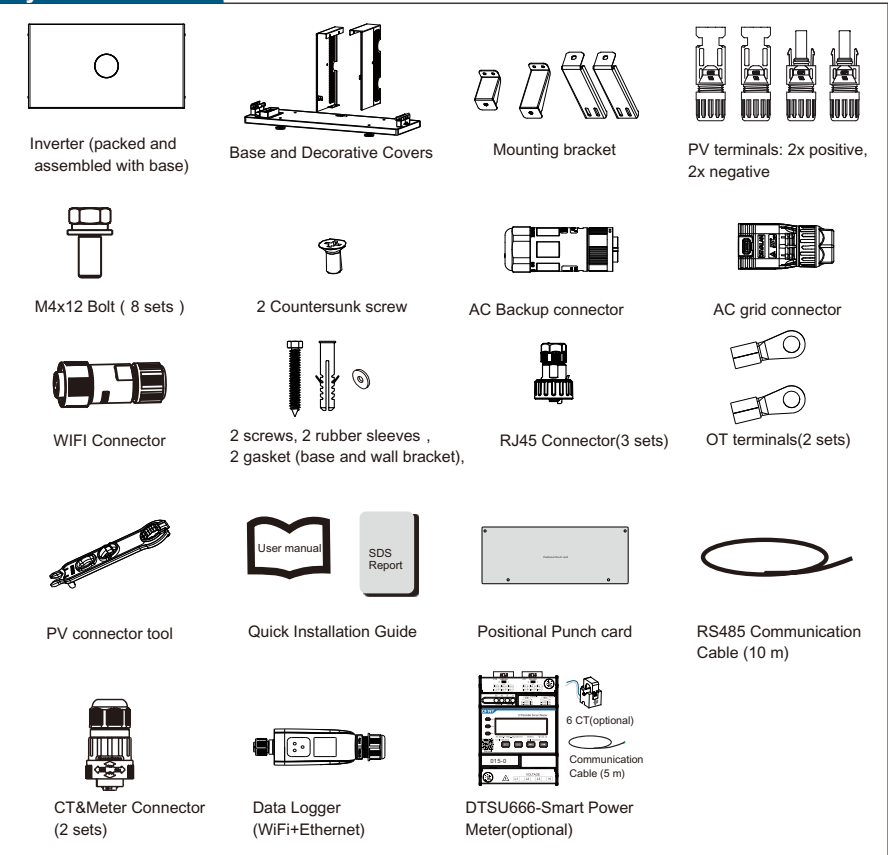
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(2026051Ver:1.1)

1. Safety Instructions

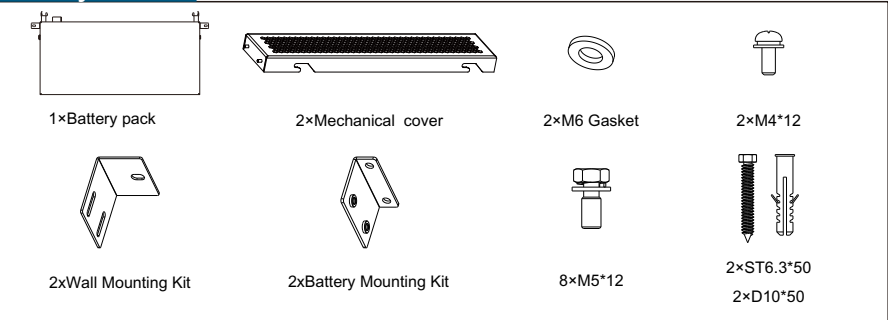
- The information in this quick installation guide is subject to change due to product updates or other reasons. This guide cannot replace the product labels or the safety precautions in the user manual unless otherwise specified. All descriptions here are for guidance only.
- All operations should be performed by trained and knowledgeable technicians who are familiar with local standards and safety regulations.
- Strictly follow the installation, operation, and configuration instructions in this guide and user manual. The manufacturer shall not be liable for equipment damage or personal injury if you do not follow the instructions.

2 Scope of Delivery

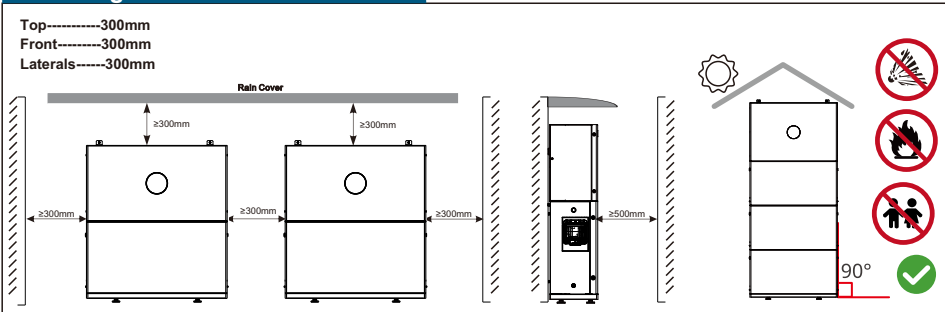
Hybrid Inverter



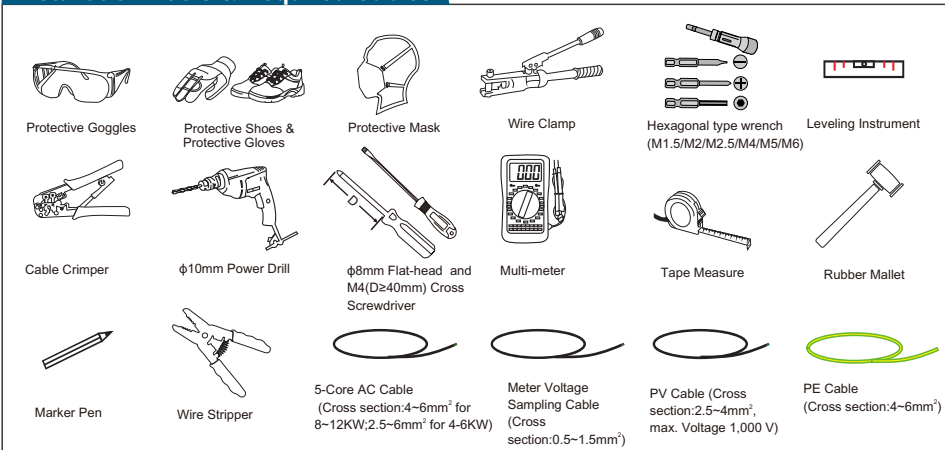
Battery Pack



Mounting Location & Clearances

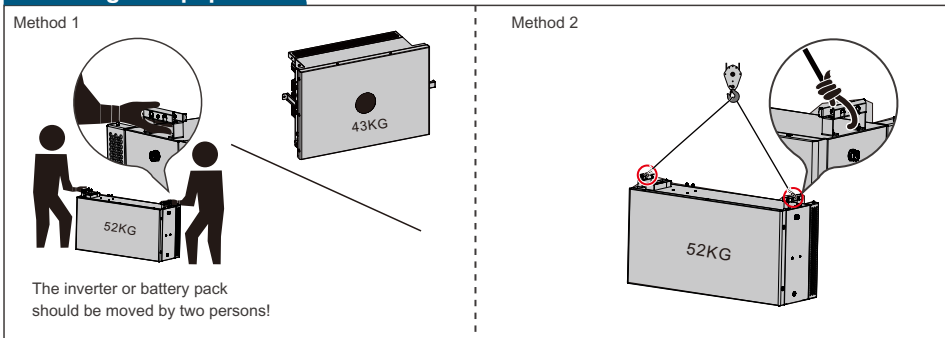


Installation Tools & Required Cables

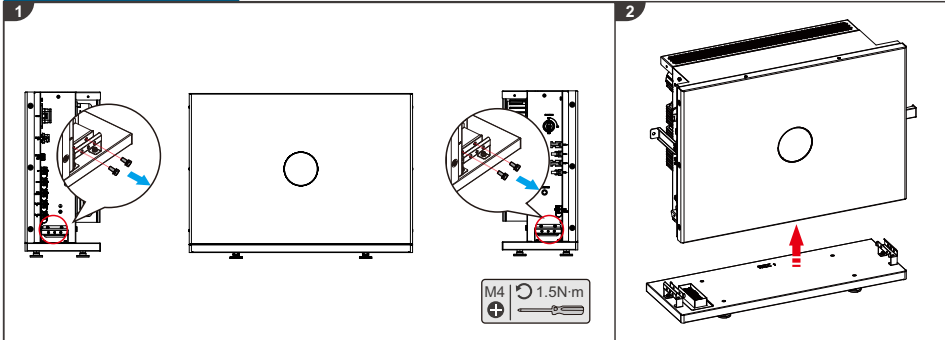


3 Mechanical Installation

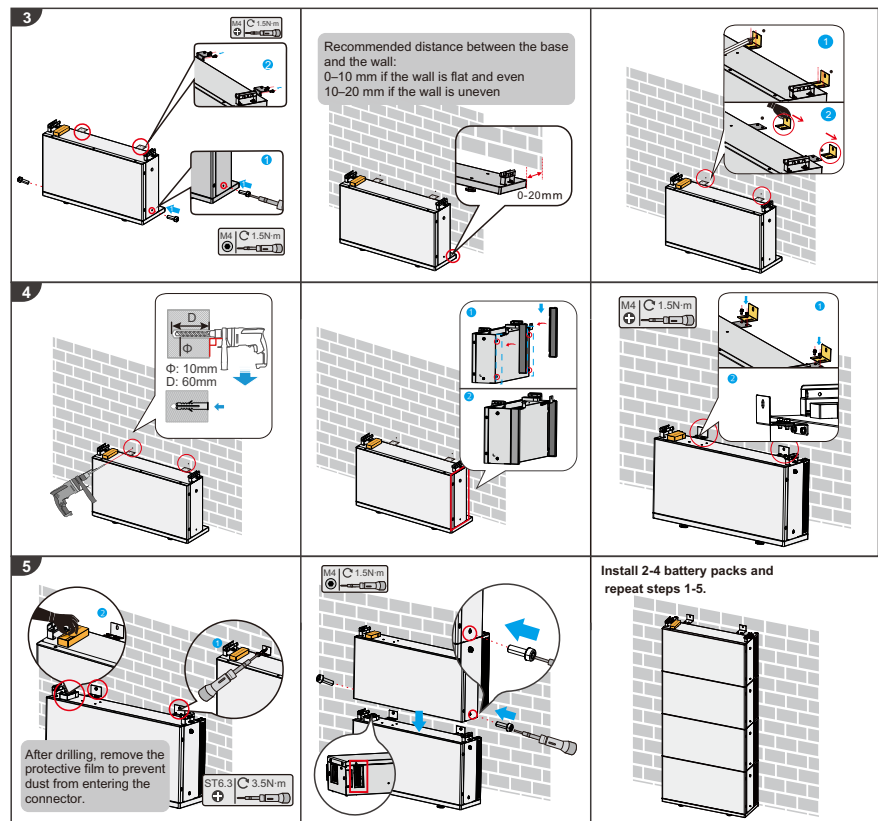
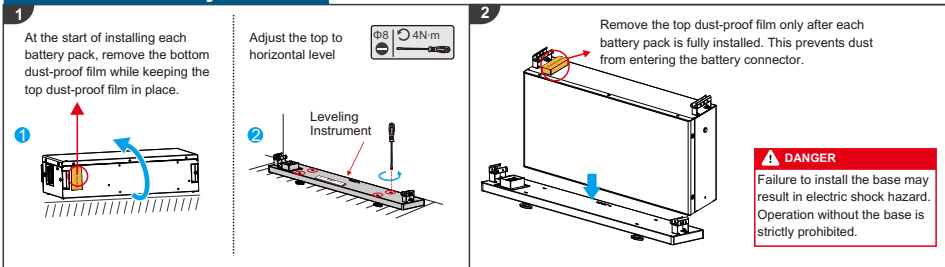
Handling of Equipment



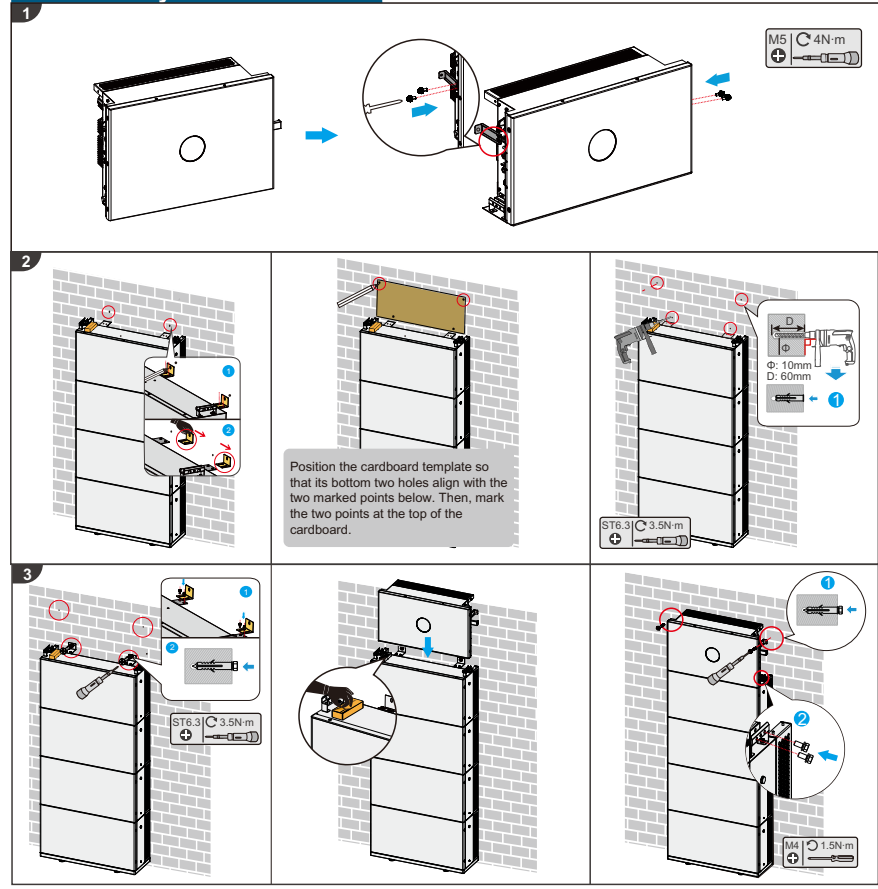
Remove the Base



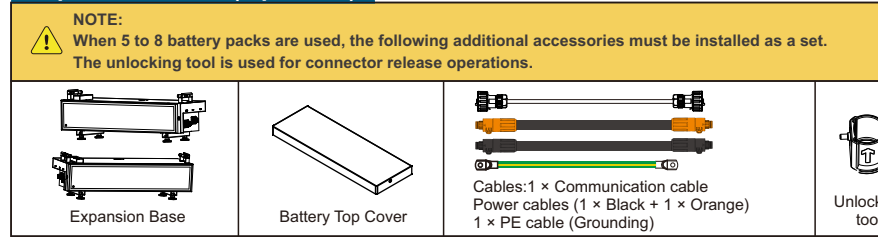
Install the Battery Pack



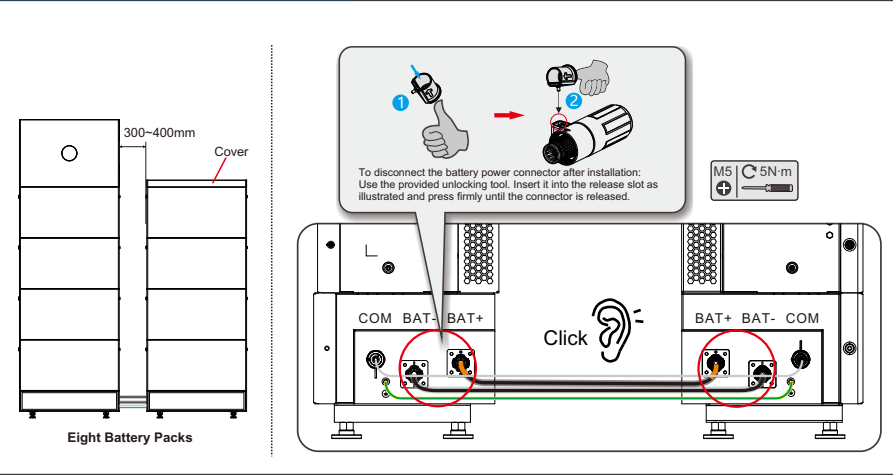
Install the hybrid inverter



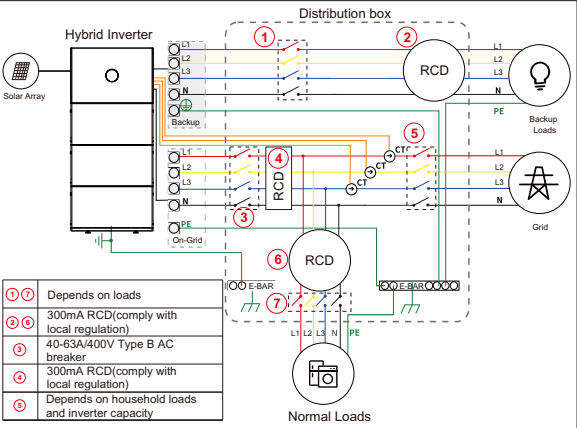
Expansion Base (Optional)



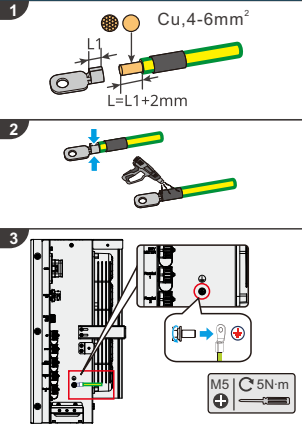
Connecting Battery Packs



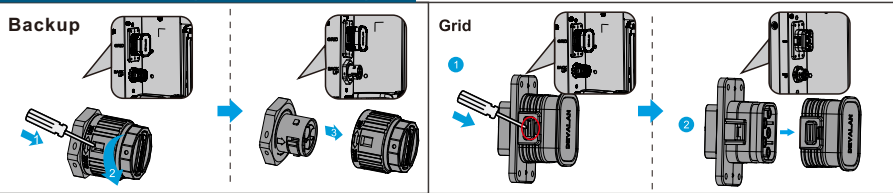
Electrical Connection



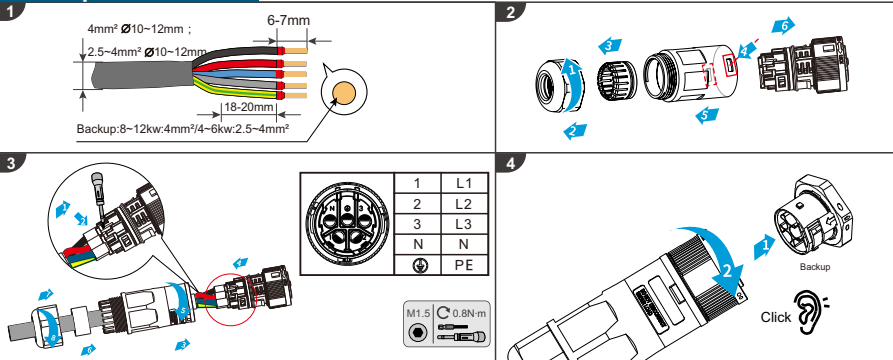
PE Cable Connection



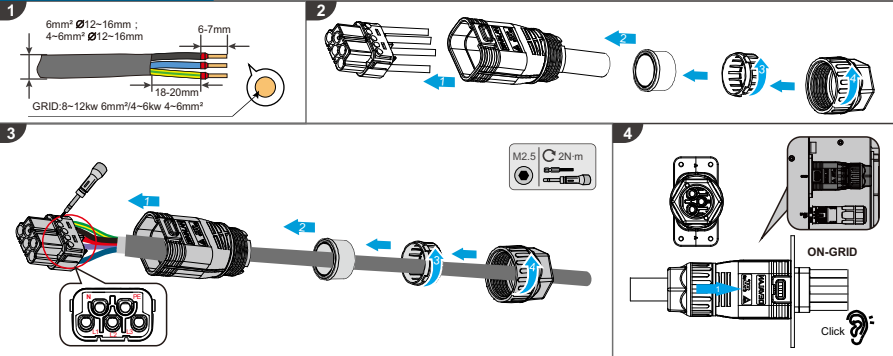
AC Connection (Backup & Grid)



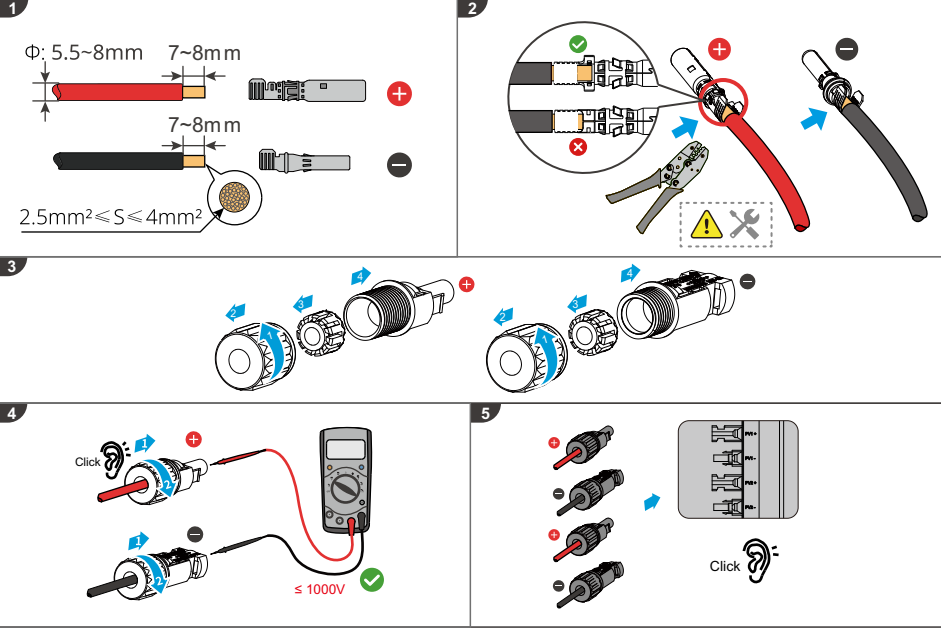
Backup Connection



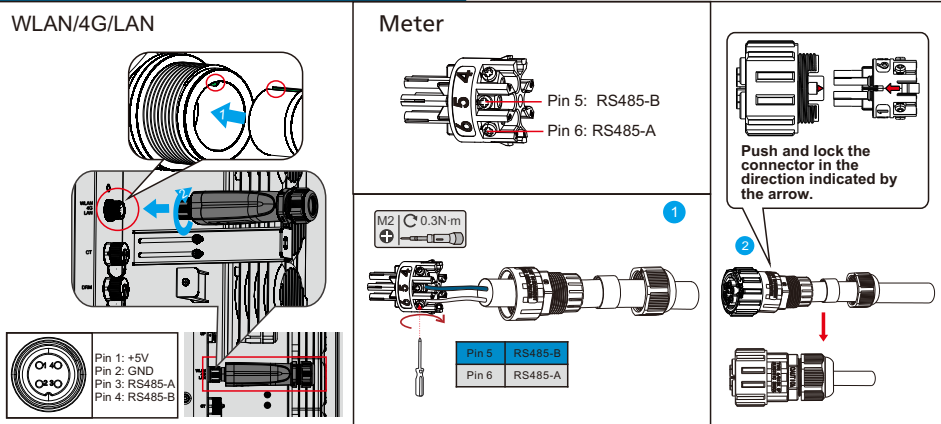
Grid Connection



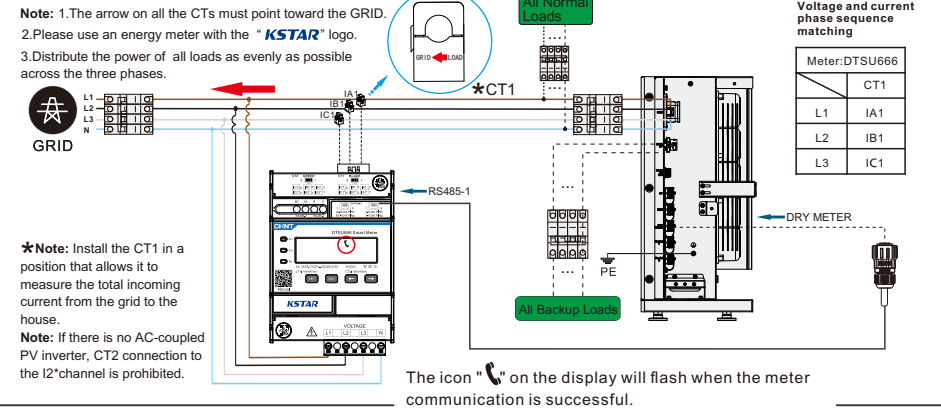
DC (MPPT) Connection



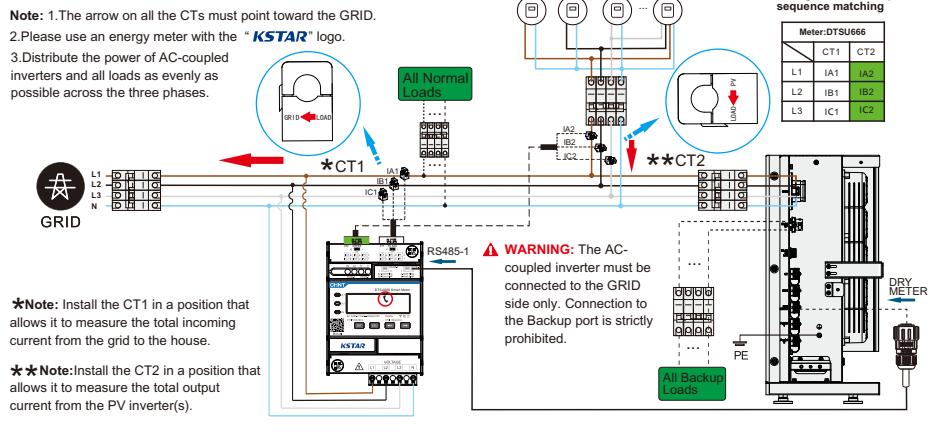
WLAN/4G/LAN&Meter Connection



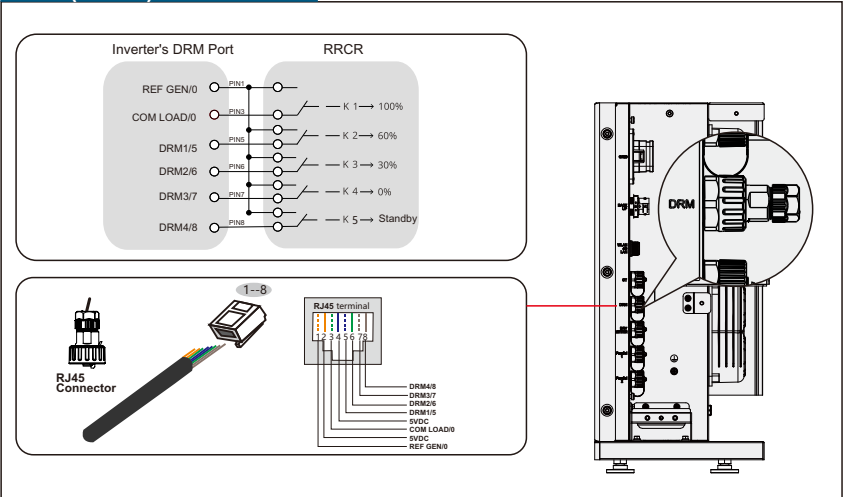
Scenario 1: DC-Coupled with Meter



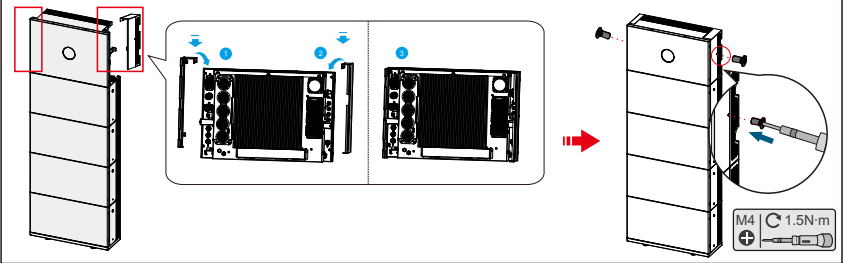
Scenario 2: AC-Coupled with Meter



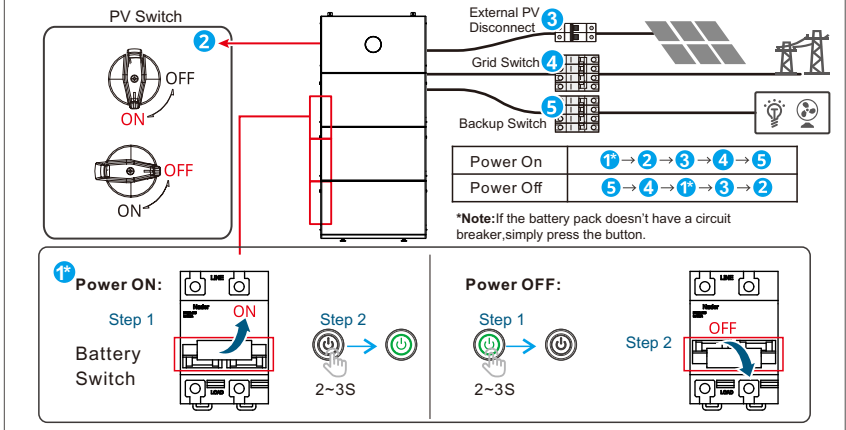
DRM(RRCR) Connection



Install Protective Cover



Power ON and OFF Sequence



LED Indicator Status

Icons	Implication	Color	Status	Description
	PV Indicator	Green	On	PV operating normally
			Flashing	PV connected but not operating
			Off	PV not connected
	Communication Indicator	Green	On	Monitoring backend connected and communication normal
			Flashing	Monitoring module not connected or communication abnormal
			Off	System in On-grid operation mode
	Grid Indicator	Green	On	System in On-grid operation mode
			Flashing	System in by pass mode
			Off	System in initialization, standby, off-grid, fault, commissioning, or upgrade mode
	OFF-Grid Indicator	Green	On	System in off-grid PV charging mode
			Flashing	PV off-grid charging not in progress
			Off	System fault
	Fault Indicator	Red	On	System fault
			Flashing	Battery operating normally
			Off	Battery abnormal (alarm or BMS communication abnormal)
	Battery Indicator	Green	On	Battery operating normally
			Flashing	Battery abnormal (alarm or BMS communication abnormal)
			Off	Battery shutdown or battery disconnected
	Battery SOC Indicator (Flashing during charging)	Green	≥80%	
			≥60%	
			≥40%	
			≥20%	
			≥5%	