PACO CASA

ENERGY STORAGE USER MANUAL

GXE-48314A-16kWh(WiFi)

Aerosol Automatic Fire Suppression Function



Aerosol Fire Suppression System

Quick response, safe and effective fire protection, preventing fire spread and ensuring battery system stability.

Reliable

Support high discharge power. lP20, natural cooling, wide temperature range: -20'C to 55°C.

Circuit Breaker

Protect the circuit from overload, short circuit and other faults, so as to ensure the safe operation of the circuit system

Safer

Cobalt Free Lithium iron Phosphate (LFP) Battery: Safety and long lifespan, high efficiency and high power density.Intelligent BMS, providing complete protection.

Technical Data

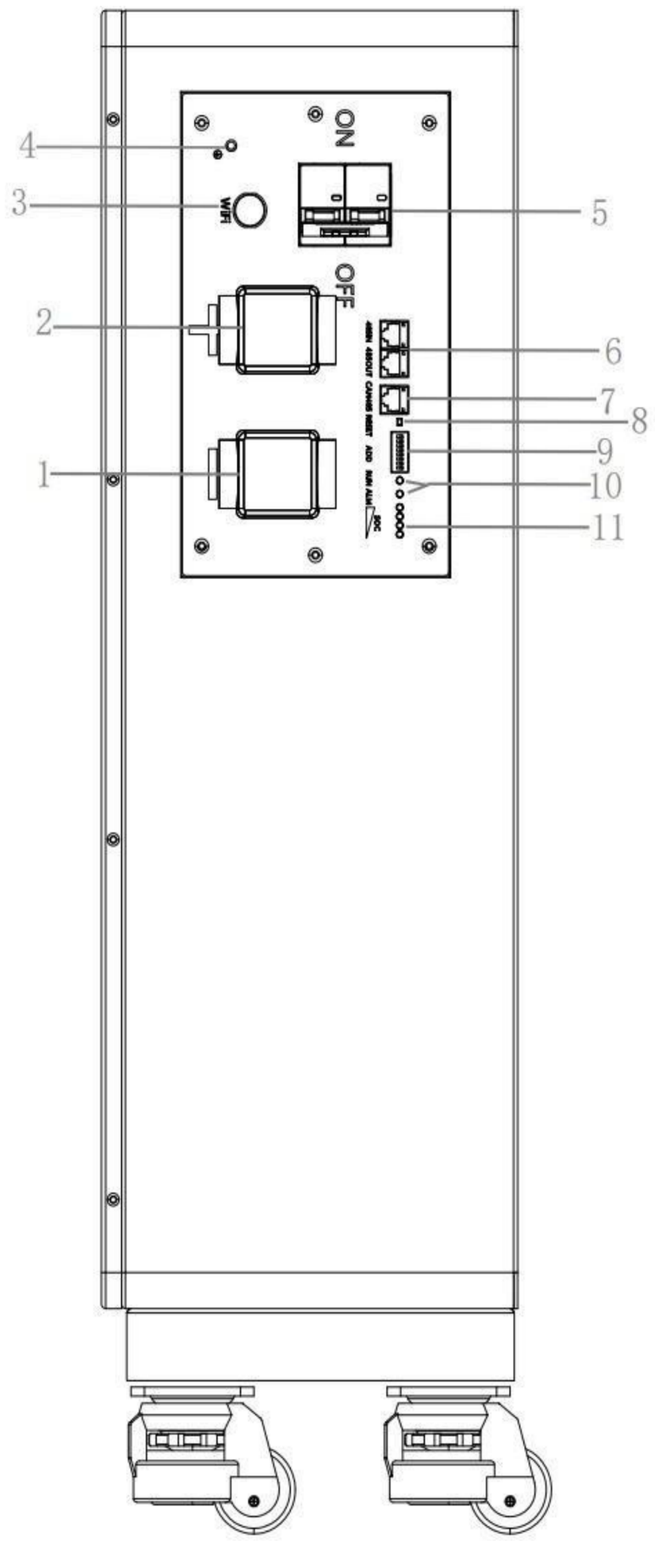
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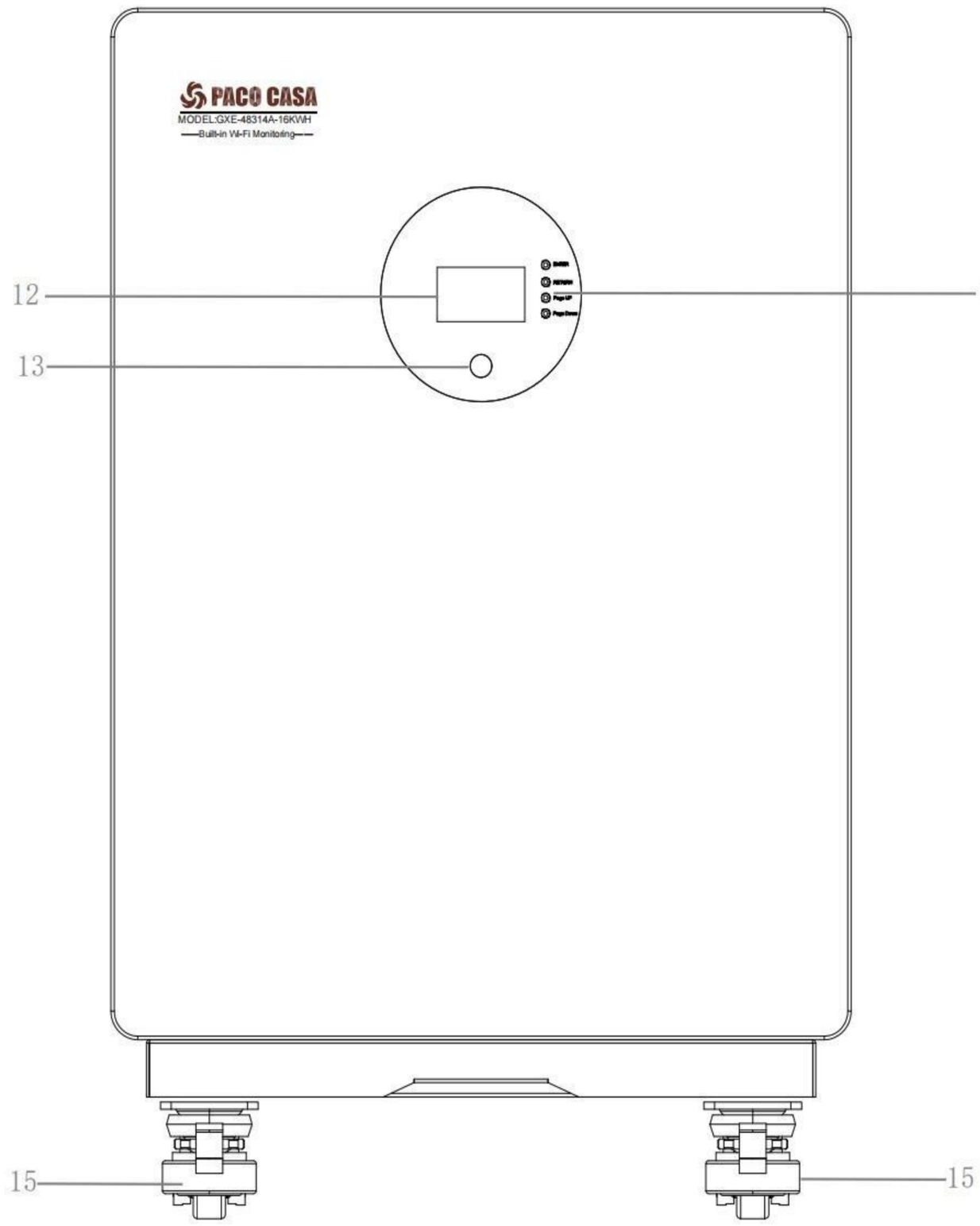


Model	GXE-48314A-16kWh(WiFi)
Item	Specification
Type	$LiFePO_4$
Nominal Capacity	314Ah
Nominal Voltage	51.2V
Energy	16076.8Wh
Max. Charge/Discharge Current	100A / 195A
Charge Cut-off Voltage	58.4V
Discharge Cut-off Voltage	43.2V
Cycle Life	≥6000 cycles (0.5P 80%)
Internal Impedance	≤30mΩ
Dimension	553*247*846mm
Communication Mode	CAN,RS485,WiFi
Weight	Approx.124kg
Charge Temperature	0°C~55°C(32°F~131°F)
Discharge Temperature	-20°C~55°C(-68°F~131°F)
Storage Temperature	0°C~40°C(32°F~104°F)
Fire Protection System	Aerosol Fire Suppression

Battery Introduction

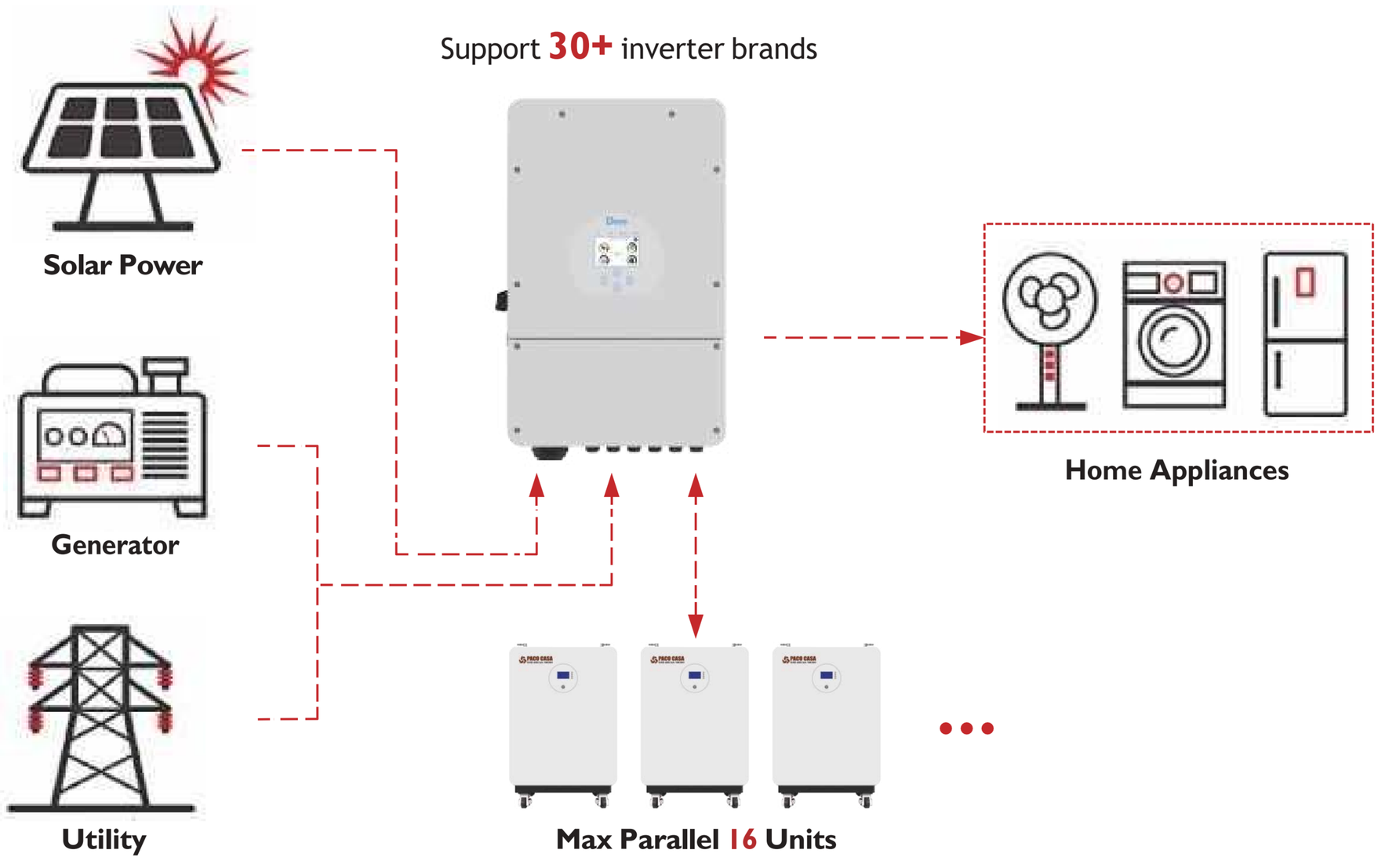
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No.	Specification	No.	Specification
1	Negative ”-” Port	9	ADD
2	Positive ”+” Port	10	RUN/ALM LED
3	WiFi	11	SOC LED
4	GND	12	LCD Display
5	Air Switch	13	Power Switch
6	RS485	14	LCD Key
7	CAN/RS485	15	Caster
8	RST		

Connection Diagram



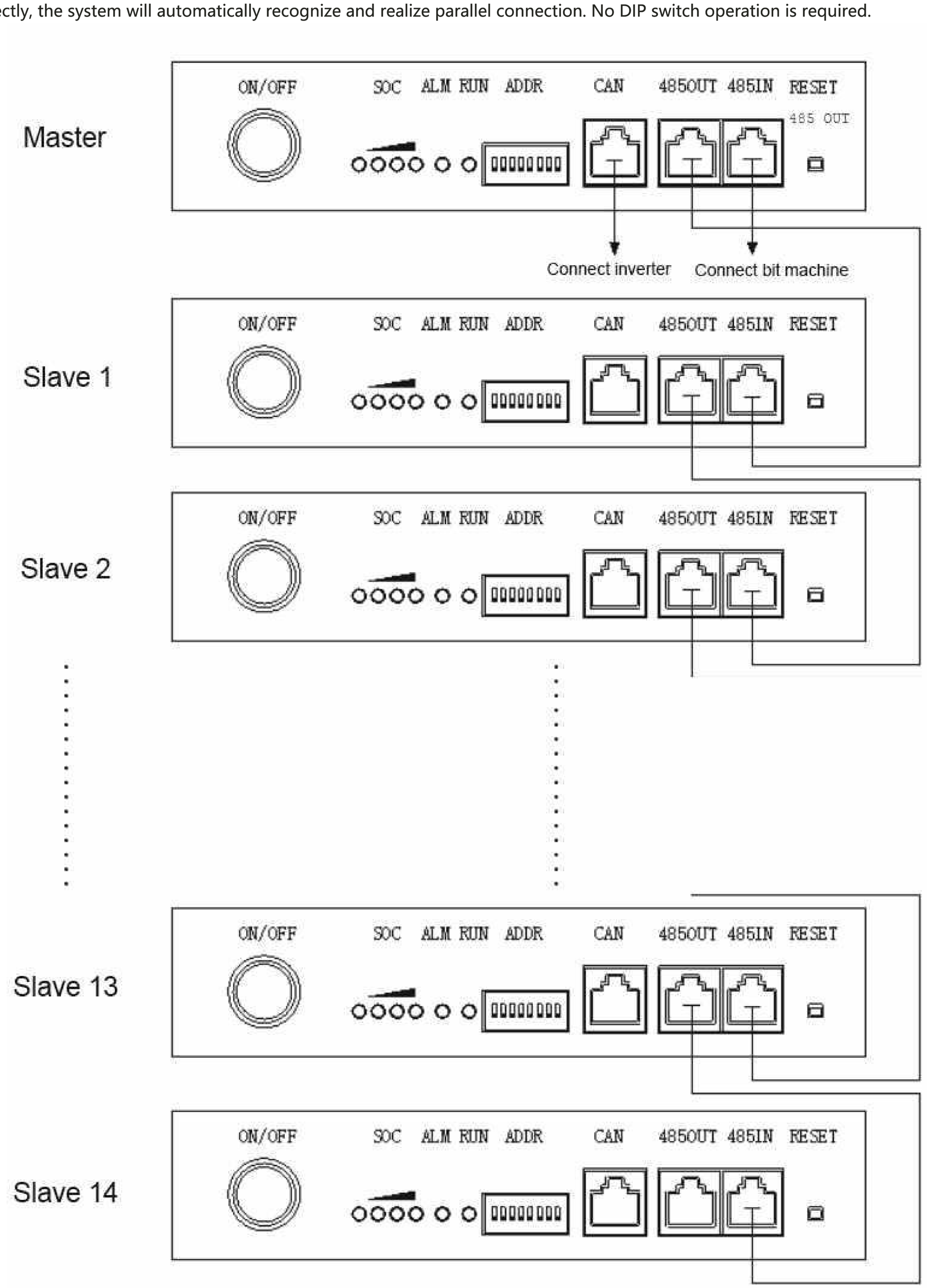
Packaging List

		
Battery × 1	2.0m Communication Wire x 1	50mm2 2.0m Red Power Line × 1 2.0m Black P1ower Line × 1

Automatic dialing mode

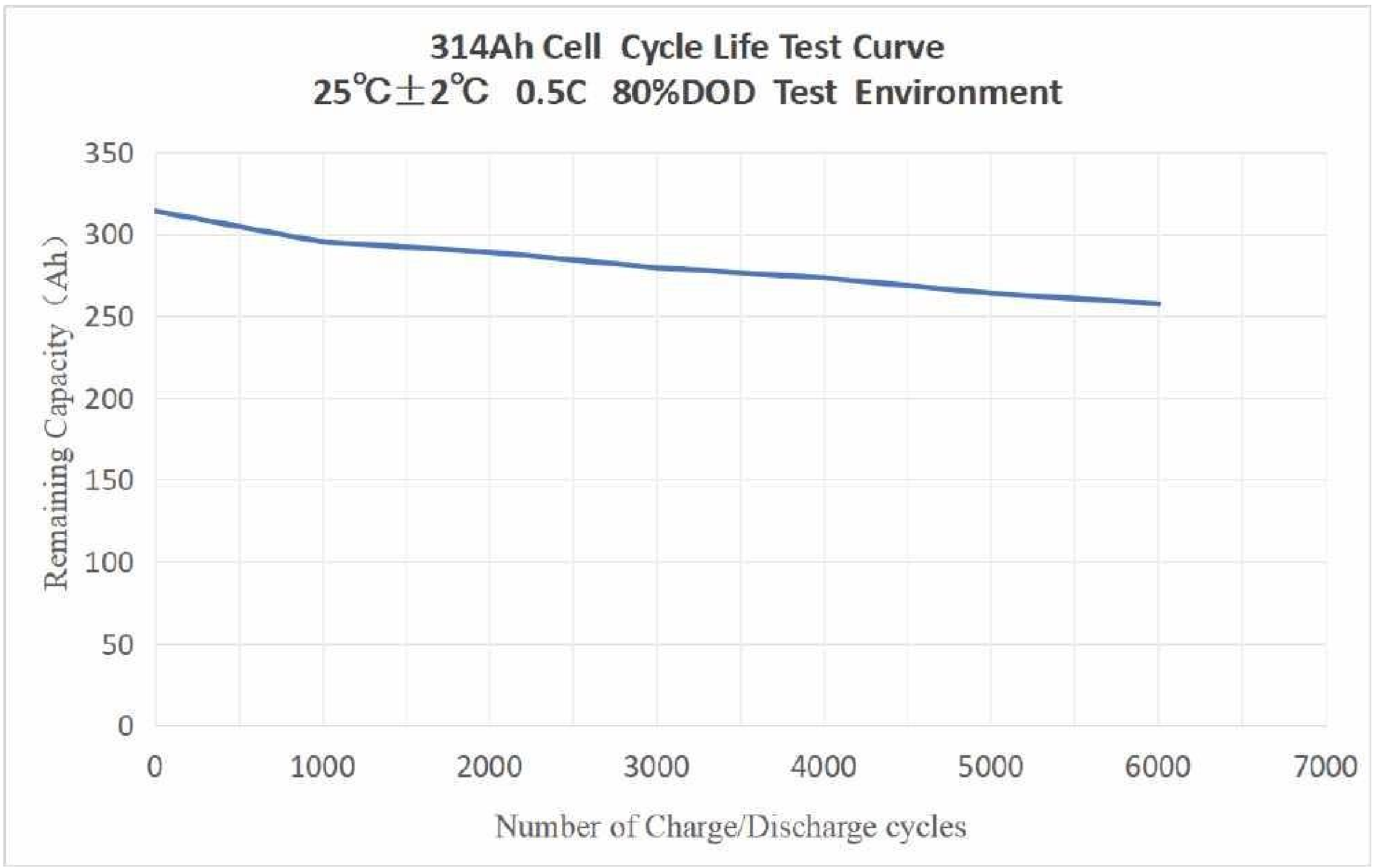
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The schematic diagram of automatic dialing connection is as follows: After the communication cables are connected correctly, the system will automatically recognize and realize parallel connection. No DIP switch operation is required.



Charge/Discharge Cycles

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Warning and Safety Suggestion

Warning	● Place the energy storage battery in a dry and ventilated location,away from water or fire. ● Keep away the battery from children and pets. ● Before electrical connection, ensure that the energy storage battery switch is at "OFF" . ● Positive and negative connection can not be reversed, there will be the risk of burning BMS, even fire and explosion. ● If deformation,swelling,leakage or other issues are found,please do not use. ● Do not disassemble the battery or replace the battery cell by yourself.Incorrect disassembly can cause short circuits and problems such as fire,gas and explosion.
Suggestion	● The best battery work temperature is 20℃ ~ 40 ℃(68°F ~ 104 °F). Avoid placing in a overheat or ovecool environment, the battery is at a risk of explosion when the ambient temperature exceeds 150℃(302℉) . ● When the Battery pack to be long-term stored,charge the battery arrive to at least 60% capacity once 3 months,otherwise the battery cell may be damaged.