



# High-voltage All-in-one ESS

10-25 KWh

Equipped with a three-phase high-voltage inverter, the 25KWh high-voltage all-in-one ESS is a safe, reliable and clean power supply system.

The built-in high-precision meter and CT prevent backflow and provide load power monitoring by Wifi, making the all-in-one more safe and reliable.

With the IP54 protection level, it can be installed indoors and outdoors. It supports seamless switching between off-grid and on-grid, and can be charged by PV or utility power.



Modular battery design, each system supports 2-5 battery units



IP54 dust- and water-proof, designed for both indoor and outdoor installation



All-in-one design, easy installation

## Technical Indicator

Product Performance				
Battery type	LFP			
Nominal Battery Energy	10.24KWh	15.36KWh	20.48KWh	25.6KWh
Nominal Capacity	50Ah	50Ah	50Ah	50Ah
Nominal Voltage	204.8V	307.2V	409.6V	512.0V
Operating Voltage Range	182V-230V	273V-345V	364V-460.8V	456V-576V
Module Number	2	3	4	5
Standard Charging Current	26A @ 25°C			
Max. Constant Charging Current	100A @ 25°C			
Standard Discharging Current	26A @ 25°C			
Max. Discharging Current	100A @ 25°C			
Depth of Discharge(DOD)	90%			
Design Life	6000 times @90%DOD , 25°C, 0.5C			
Warranty	5 years			
Protection	Over-temperature, over-charge, under-voltage, over-current, short circuit alarm Function			
Communication	CAN/RS485			
Inverter Specification				
Power	8KW/10KW/12KW			
Grid Voltage Range	380V/400V			
Frequency	50-60Hz			
AC Output Topology	3W+N+PE			
MPPT Voltage Range	180-850V			
Quantity of MPPT	2			
General Specification				
Dimensions (L*W*Hmm)	750*231*806	750*231*1056	750*231*1306	750*231*1556
Weight (KG)	149KG	201KG	255KG	306KG
Shipping Status SOC	20%~30%			
Charging Temperature	0~+50°C			
Discharging Temperature	-20°C~+55°C			
Storage Ambient Temperature	-20 ~ +60°C			
Max. Operating Altitude	4,000m(Derating above 2,000m)			
Relative Humidity	5%-95%			
Cooling	Air cooling			
protection	IP54			
Certification	UN38.3			