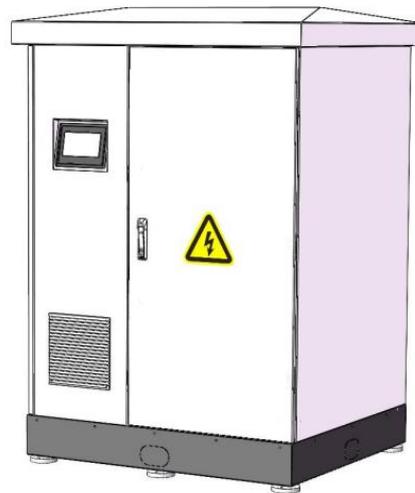


30KW 60KWH Battery Storage System Technical Paper



Parameters

Items	Specification	
Product Name	20KW/50kWh Energy storage cabinet	30KW/60kWh Energy storage cabinet
Battery parameters		
Module Model	102.4V100Ah	
Battery Type	LFP 1P160S	LFP 1P192S
Nominal Capacity	51.2 kWh	61.4 kWh
Nominal Voltage	512V	614.4V
Working Voltage	448~584V	537.6~700.8V
PV		
Max. DC Input Power	26000W	39000W
Max. DC Input Voltage	1000VDC	
Start-up Voltage	180V	
MPPT Voltage	150~850VDC	
PV Input Current	26+26A	36+36+36A
Max.PV Input Current	39+39A	55+55+55A
AC Input/Output		
Rated AC Input/Output Power	20000W	30000W
Input/Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac	
AC Input/Output Rated Current	30A	45A
Max.AC Input/Output Current	33A	50A
Max. Continuous AC Pass through	80A	200A
Overall parameters		
Communication	RS485 ,CAN (WiFi ,Bluetooth optional)	
Storage Temperature	-20°C ~ 55°C (Recommended)	
Working Humidity	≤95% (RH) No Condensation	
Working Temperature	0°C ~ 55°C	
Working Altitude	≤2000m	
Cooling method	forced air cooling/natural cooling	
Protective Class	IP54	
Weight	~805kg	~940kg
Dimension	1170mm*1031mm*1636mm	
Design Life	10 Years (25°C)	
Cycle Life	> 6000 (25°C) ,80% EOL	