

IPX-51314SPT

Battery



IPX-51314SPT | 314Ah



100% Grade A LiFePO4 Cells Inside

Cycle Life 6000
High Safety and Performance



Enhanced Safety and Reliability

50+ Protection Algorithms for Safety and Longer Lifespan
3-Level Hardware Protection: Relay/Breaker/Fuse
Built-in active fire protection module with aerosol-based fire suppression



Flexible Expansion Capability

Support 16 in Parallel and 12 in Series
Automatically Configure the Parallel Address and Assign Primary Unit and Secondary Unit
Support High Voltage and Low Voltage Systems



Application

Support C&I and Residential Scenarios

Model	IPX-51314SPT			
Main Parameters				
Battery Type	LiFePO4			
Nominal Voltage (V)	51.2			
Nominal Capacity (Ah)	314			
Nominal Energy (kWh)	16			
Operating Voltage Rang (V)	48~56			
Max. Parallel & Series Number	16 in Parallel; 12 in Series			
Max. Continuous Charge Current (A)	200			
Peak Charge Current (A)	210A@2s			
Max. Continuous Discharge Current (A)	200			
Peak Discharge Current (A)	210A@3s			
Recommended Depth of Discharge	93%			
Cycle Life of Battery Cell	>6000@25°C, 0.5C/0.5C, 80%DOD, 80%EOL			
Communication Port	CAN2.0/RS485			
General Parameters				
Dimensions (D*W*H, mm)	230*480*845			
Net Weight (kg)	126±2			
Operating Temperature/Charge (°C)	0~60			
Operating Temperature/Discharge (°C)	-20~60			
Recommend Operating Temperature (°C)	15~35			
Storage Temperature (°C)	0~35			
Humidity	10%~95%			
Altitude (m)	2000			
Ingress Protection	IP20			
Cooling Method	Natural Cooling			
Shell Material	Metal			
LED Display	2 LED (Run and Alarm)			
WiFi	Yes			
Certification	IEC62619/UN38.3/MSDS/DGM			
Protection				
Circuit Breaker	Yes			
Fuse	Yes			
Voltage Protection	Yes			
Current Protection	Yes			
Temperature Protection	Yes			
Short Circuit Protection	Yes			
Fire Protection	Yes, Aerosol			
Recommended Configuration				
Series/Parallel	12S1P	12S2P*	12S3P*	12S4P*
System Nominal Voltage (V)	614.4			
Voltage Range	576-691.2			
System Nominal Energy (kWh)	192	384	576	768
Net Weight (kg)	1392	2784	4176	5568

*Parallel connection box is required.