



51.2V-10.24/16kWh

200/314Ah

Product Features

- Class-A LiFePO₄ Battery Cell**
6000 Cycle Life
High Safety and Performance
- High Compatibility**
Self-adaptive Communicate with Mainstream Inverter
Max. Discharge Power up to 10kW/16kW@10S
- Intelligent Software BMS**
50+ Protection Algorithms for Safety and
Longer Lifespan
- Automatic Parallel Address**
Number of Parallel Units:32
No Dip Switch, Automatic Set to Parallel Address
Automatic Assign Master and Slave

Model	IPL-51200H	IPL-51314H
Main Parameters		
Battery Type	LiFePO ₄	
Nominal Voltage (V)	51.2	
Nominal Capacity (Ah)	200	314
Nominal Energy (kWh)	10.24	16
Operating Voltage Range (V)	43.2-57.6	
Max. Parallel Number	32	
Max. Continuous Charge Current (A)	200	157
Peak Charge Current (A)	210@1s	175@1s
Max. Continuous Discharge Current (A)	200	157
Peak Discharge Current (A)	210@3s	175@3s
Recommended Depth of Discharge	90%	
Cycle Life of Battery Cell	>6000@25°C, 0.5C/0.5C, 80%DOD, 70%EOL	>6000@25°C, 0.5C/0.5C, 80%DOD, 80%EOL
Communication Port	CAN2.0/RS485	
General Parameters		
Dimensions (D*W*H, mm)	185*560*820	230*548*840
Net Weight (kg)	95	120
Operating Temperature/Charge (°C)	0~+60	
Operating Temperature/Discharge (°C)	-20~+60	
Recommended 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	6 LED (SOC), 2 LED (Run and Alarm)	
Certification	IEC62619/UN38.3/MSDS/DGM	
Protection		
Circuit Breaker	Yes	
Voltage Protection	Yes	
Current Protection	Yes	
Temperature Protection	Yes	
Short Circuit Protection	Yes	