



51.2V/5.12kWh



Product Features



Class-A LiFePO4 Battery

Cycle Life 6000+
High Safety and Performance



Intelligent BMS

50+ Protection Algorithms for Safety and Longer Lifespan
Number of Parallel: 15



High Compatibility

Self-adaptive Communication with Mainstream Inverter

Model	IPW-51100	IPL-51100
Battery Type		LiFePO4
Nominal Voltage		51.2V
Nominal Energy		5.12kWh
Nominal Capacity		100Ah
Operating Voltage Range		40V~58.4V
Standard Charging Current		50A
Maximum Continuous Charge Current		100A
Cut-Off Charging Voltage		58.4V
Cut-Off Charging Current		2A
Standard Discharging Current		100A
Maximum Continuous Discharge Current		100A
Maximum Pulse Discharge Current		150A
Cut-Off Discharge Voltage		40V
Cut-Off Discharge Current		2A
Dimensions D*W*H	135mm*585mm*454mm	450mm*510mm*153mm
Weight	45kg	50kg
Communication Port		RS485/CAN/RS232
Parallel Number		15
Working Temperature/Charge		0~55°C
Working Temperature/Discharge		-20~60°C
Ingress Protection		IP20
Cooling Type		Natural Cooling
Humidity		10%~95%
Altitude (m)		2000m
Shell Material		Metal
Current Limiting Function		10A
Precharge Function		Enable
Display		LED
Design Life		10 Years
Cycle Life		>6000@25°C,0.5C,80%DOD
Authentication Level		IEC62619\UN38.3\MSDS\DGM