

# ESS LV Battery



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	46.4kg	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	