

IPB-12100

LiFePO₄ Battery



IPB-12100 | 12.8V 100Ah



Class-A LiFePO₄ Battery Cell

3000 Cycle Life
High Safety and Performance



Intelligent Software BMS

50+ Protection Algorithms for Safety and Longer Lifespan



Digital Display

Display Battery SOC and Faults Codes Accurately



Bluetooth

OTA Battery
Check Battery information via itel Energy APP



Built-in AC Charger

Automatically woken up by Inverter, No Need Extra Charger

Model	IPB-12100
Main Parameters	
Battery Type	LiFePO ₄
Nominal Voltage (V)	12.8
Nominal Capacity (Ah)	100
Nominal Energy (kWh)	1.28
Operating Voltage Range (V)	11.6-14.4
Max. Parallel Number	16
Max. Series Number	4
Max. Continuous Charge Current (A)	90
Peak Charge Current (A)	150@500ms
Max. Continuous Discharge Current (A)	90
Peak Discharge Current (A)	50@500ms
Recommended Depth of Discharge	90%
Cycle Life of Battery Cell	> 3000@25°C, 0.5C/0.5C, 80%DOD, 80%EOL
Communication Port	/
General Parameters	
Dimensions (D*W*H, mm)	168*262*221
Net Weight (kg)	10
Operating Temperature/Charge (°C)	0~+55
Operating Temperature/Discharge (°C)	-20~+55
Recommended Operating Temperature (°C)	15~+35
Storage Temperature (°C)	0~+35
Humidity	10%-95%
Altitude (m)	2000
Cooling Type	Natural Cooling
Shell Material	ABS
SOC Display	Digital Indicator
Certification	IEC62619/UN38.3/MSDS/DGM
Protection	
Circuit Breaker	/
Voltage Protection	Yes
Current Protection	Yes
Temperature Protection	Yes
Short Circuit Protection	Yes