

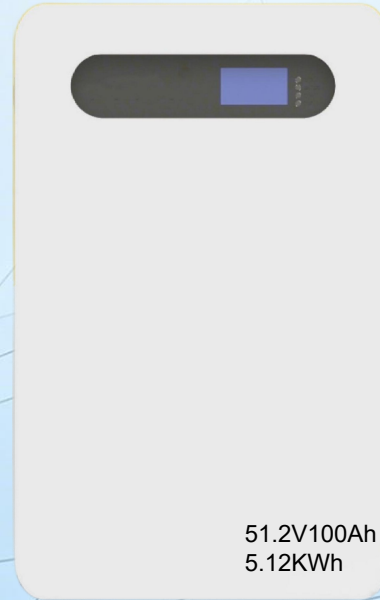


恒领新能源 Hengling New Energy

LOW VOLTAGE BATTERY SERIES

RECHARGEABLE
LFP BATTERY

HL51100/200-W-IS



51.2V100Ah
5.12KWh



Safer to Use

High-density LiFePO4 battery



Long Battery Life

6000 cycles(DOD 80%)



Stable &Reliable

Advanced BMS management



Widely Compatible

Compatible with mainstream
inverters



Touch Screen Control

Is available for this device



Bluetooth+WiFi

Real-time monitoring

Technical Specification

Product model	HL51100-W-IS	HL51200-W-IS
BASIC INFORMATION		
Rated Capacity (kWh)	5.12	10.24
Nominal Capacity (Ah)	100	200
Rated Voltage (V)	51.2	
Operating Voltage Range (V)	43.2-58.4	
Life Cycles	≥8000 cycles (0.2C, @25°C, 80%DOD)	
Charging Voltage (V)	57.6-58.4	
Cut-off Voltage (V)	43.2	
Max Charge Current (A)	50	200
Recommended Charging Current (A)	50	100
Max. Discharging Current (A)	100	200
Recommended Charging & Discharging Power	charge 0.5C	discharge 1C
Battery Type	LFP	
Depth of Discharge (DOD)	90%	
Normal Battery Energy(kWh)	5.12	10.24
Usable Battery Energy(kWh)	4.6	9.21
Communication	RS485/CAN	
Protection Level	IP21	
Expansion	32	
GENERAL PARAMETERS		
Dimension (L×W×H) (mm)	630*400*160	650*520*250
Weight (kg)	45	92
Humidity	5%-95% Relative humidity	
Design Life	>10000cycles@25°C,0.2C, 80%DOD	
Warranty Life	>8000cycles@25°C,0.2C, 80%DOD	
Efficiency	≥99%	
TEMPERATURE PARAMETERS		
Discharging Temperature (°C)	-20~+60	
Charging Temperature (°C)	0~+55	
Storage Temperature (°C)	-10~+40	
Certification	UN38.3/CE/MSDS	