IPL-51200H

ESS LITHIUM BATTERY • 51.2V 200AH 10.24KWH

5-YEAR WARRANTY

★ 5-Year Warranty | 51.2V 200Ah (10.24kWh) | Class-A LiFePO4 Cell | 6000+ Cycle Life | Up to 32 Units Parallel | 50+ BMS Protection Algorithms | CAN2.0 / RS485 Communication | 90% Recommended DOD | Auto Primary/Secondary Address | Max Discharge Power 10kW / 16kW@10S

51.2V / 200Ah	6000+	32 Units	50+
10.24kWh Capacity	Cycle Life (LiFePO4)	Max Parallel Units	BMS Protection Algorithms

High Safety & Reliable Performance

Class-A LiFePO4 battery cell with 6000 cycle life.
Intelligent Software BMS with 50+ protection algorithms for safety and longer lifespan.

High Compatibility & Scalability

Self-adaptive communication with mainstream inverters.
Max. discharge power up to 10kW / 16kW@10S; auto parallel address & primary/secondary assignment up to 32 units.

TECHNICAL SPECIFICATIONS

MAIN PARAMETERS	
Model	IPL-51200H
Battery Type	LiFePO4
Nominal Voltage / Nominal Energy / Capacity	51.2V / 200Ah / 10.24kWh
Operating Voltage Range	43.2V – 57.6V
Max. Parallel Number	32
Max. Continuous Charge Current / Peak	200A / 210A@1S
Max. Continuous Discharge Current / Peak	200A / 210A@3S
Recommended Depth of Discharge (DOD)	90%
Cycle Life of Battery Cell	>6000 @ 25°C, 0.5C/0.5C, 80% DOD, 70% EOL
Communication Port	CAN2.0 / RS485
GENERAL PARAMETERS	
Dimensions (D × W × H) / Net Weight	185mm × 560mm × 820mm / 95kg
Operating Temperature (Charge / Discharge)	0°C ~ +60°C / -20°C ~ +60°C (Recommended: 15°C ~ +35°C)
Storage Temperature / Humidity	0°C ~ +35°C / 10% – 95%
Altitude / Ingress Protection	2000m / IP20
Cooling Type / Shell Material	Natural Cooling / Metal
LED Display	6 LED (SOC), 2 LED (Run and Alarm)
Certification	IEC62619 / UN38.3 / MSDS / DGM
PROTECTION	
Integrated Protections	Circuit Breaker, Voltage Protection, Current Protection, Temperature Protection, Short Circuit Protection

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