

RESIDENTIAL BATTERY

IonHome Series

IH16



Class-A LiFePO4
Battery Cell



Flexible Expansion
Capability



Intelligent
Software BMS



Support C&I and
Residential

DATASHEET

Model	IH16
Main Parameters	
Battery Type	LiFePO4
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	314
Nominal Energy (kWh)	16.07
Operating Voltage Range (V)	44~58
Maximum series connection quantity	16 in Series
Max. Continuous Charge Current (A)	200
Peak Charge Current (A)	205A@3s
Max. Continuous Discharge Current (A)	200
Peak Discharge Current (A)	210A@1s
Recommended Depth of Discharge	90%
-Cycle Life of Battery Cell	>6000@25°C, 0.5C/0.5C, 80%DOD, 80%EOL
Communication Port	CAN/RS485
General Parameters	
Dimensions (D*W*H, mm)	416*240*858.2
Net Weight (kg)	120±5
Operating Temperature/Charge (°C)	0~+60
Operating Temperature/Discharge (°C)	-10~+65
Recommend Operating Temperature (°C)	15~+35
Storage Temperature (°C)	0~+35
Humidity	10%~95%
Altitude (m)	2000
Ingress Protection	IP20
Cooling Method	Natural Cooling
Shell Material	Metal
LCD Display	4.3-inch touch screen (color)
WiFi	Yes
Bluetooth	Yes
Certification	IEC62619/UN38.3/MSDS/DGM
Protection	
Circuit Breaker	Yes
Fuse	NO
Voltage Protection	Yes
Current Protection	Yes
Temperature Protection	Yes
Short Circuit Protection	Yes

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