

Low-voltage Wall-mounted Battery

iBAT-W-5.12L



High Performance

A-level LFP battery cell, high safety



Long service life

DOD up to 93%, cycle life ≥ 6000



High Safety & Reliable

With superior vehicle-level BMS, more reliable protection functions



Quick commissioning

Automatic ID assignment



Easy to install

Three installation methods flexible use in different scenarios.



Data Sheet

Model No.	iBAT-W-5.12L
Battery Type	LiFe PO4
Cell Capacity	100Ah
Battery Capacity	5.12kWh
DOD	93%
Rated Voltage	51.2V
Voltage Range	43.2~57.6V
Continuous Charge/Discharge Current*	100A/100A
Battery Weight	44kg
Battery Dimensions(L×W×H)	445*145*575mm
Communication	CAN,485
Charging Temperature	0°C~50°C
Discharging Temperature	-20°C~55°C
Humidity	≤95% (no condensing)
Altitude	< 2000 m
Ingress Protection	IP20
Cooling	Natural
Cycles	≥6000*

*The current is affected by temperature and SOC.

*Test conditions: temperature 25±2°C , charge & discharge current 1C/1C, 70%EOL≥6000.

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