

Low-voltage Battery RL Series

iBAT-R-5.12L



High Performance

LFP battery cell, safe and reliable
24-hour standby power, worry free in case of blackout
Single battery 5.12kWh, expandable to 30.72kWh



Economic & Intelligent

Self-use PV generation to reduce carbon emissions
Daytime charge and discharge at night to save electricity bill



Easy to Install

Plug and play, easy to install
Stackable battery packs, flexible expansion of standby power

Data Sheet

Type	iBAT -R-5.12L				
Battery Type	LFP				
Cell Capacity	100Ah				
Battery Capacity	5.12kWh				
Expandable Capacity	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh
Battery Number	2 pcs	3 pcs	4 pcs	5 pcs	6 pcs
Dimensions(L×W×H mm)	678×310×571	678×310×822	678×310×1073	678×310×1324	678×310×1575
Weight	123kg	178kg	233kg	288kg	343kg
DOD	93%				
Rated Voltage	51.2V				
Voltage Range	43.2~57.6V				
Continuous charge/discharge current ^[1]	50A				
Max. charge/discharge current ^[1]	100A				
Battery Weight	55kg				
Battery Dimensions(L×W×H)	678×310×251mm				
Communication	CAN,485				
Charging Temperature	0°C ~ 55°C				
Discharging Temperature	-20°C~55°C				
Humidity	≤95%(no condensing)				
Altitude	<2000m				
Ingress Protection	IP65				
Cooling	Natural				
Cycle Life	≥6000 ^[2]				
Safety Standards	CE, UN38.3, IEC62619,IEC62040				

[1] The current is affected by temperature and SOC.

[2] Test conditions: temperature 25±2°C , charge & discharge current 0.5C/0.5C, 70%EOL≥6000

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