

LHD-51R205L1C-HJ

Battery Series 10.5kWh | Low voltage battery

Safe Core Cells, Flame Retardant

Adopting high-safety LFP cells with built-in flame-retardant features to deliver worry-free application

Rack-mounted Layout, Space-efficient

Rack-mounted installation; capacity can be expanded by adding modules in the same cabinet or side-by-side cabinets, without linearly increasing the footprint

Flexible Scaling, Multi-unit Parallel

Supporting expandable multi-unit configuration, the system enables synchronous parallel connection of up to 32 units

Ultra-long Lifespan, Cost Optimization

Designed with 10-year service life and superior cycle performance, greatly reduce overall operating costs

Wide Compatibility, Seamless Integration

Compatible with mainstream brand inverters, seamlessly integrated into existing household energy systems

Multi-protection, Full Safeguard

Built-in diverse safety mechanisms, secure equipment operation and reduce usage risks



LESSO

Battery Series

Model	LHD-51R205L1C-HJ
Key Parameters	
Cell Chemistry	LiFePO4
Rated Energy	10.5kWh
Nominal Capacity	205Ah
Nominal Voltage	51.2V
Charge Cut-off Voltage	57.6V
Discharge Cut-off Voltage	41.6V
Recommended Charge / Discharge Current	100A/100A
Max. Charge Current	200A
Max. Discharge Current	200A
Cycle Life	>6000 Cycles (0.5C@25°C, 80%DOD)
Recommended Depth of Discharge (DOD)	80%
Environmental Parameters	
Charge Operating Temperature	0~55°C
Discharge Operating Temperature	-20~55°C
Storage Temperature	5~35°C
Humidity Range	40~80%RH
Altitude	≤2000m
IP Rating	IP21
Mechanical Parameters	
Net Weight	89.1kg ± 0.5Kg
Machine Size (L×W×H)	520×500×225mm
Gross Weight	98kg
Package Size (L×W×H)	875x577x400mm
Other Parameters	
Display	LED
Communication	CAN / RS485
Parallel Connections	1~32 Units
Installation Method	Rack mounted
Cooling Method	Natural convection
Standards and Certifications	UN38.3 / MSDS / IEC62619 / ROHS / CE

*1: Current is affected by temperature and SOC.
*2: During long-term idle storage, charge the battery once every 3 months.
*3: Please note, product specifications are subject to change without notice.

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