



LESSO

LHD-51F205L1C-C2

Battery Series 10kWh | Low voltage battery



Safe Core Cells, Flame Retardant

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



Multi-protection, Full Safeguard

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



Wall-mounted Layout, Space-efficient

Adopts wall-mounted structure to vacate floor space, adapts to diverse scenarios and elevates installation efficiency



Flexible Scaling, Multi-unit Parallel

Supporting expandable multi-unit configuration, the system enables synchronous parallel connection of up to 16 units



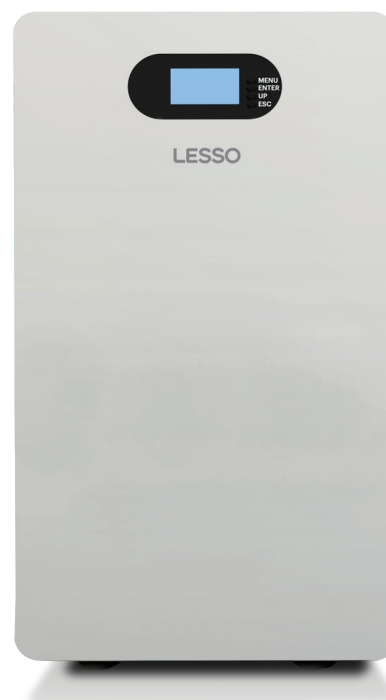
Ultra-long Lifespan, Cost Optimization

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



Model	LHD-51F205L1C-C2
Key Parameters	
Cell chemistry	LiFePO4
Rated energy	10.49kWh
Nominal capacity	205Ah
Nominal voltage	51.2V
Charge Cut-Off voltage	58V
Discharge Cut-Off voltage	44V
Recommended charge/Discharge current	100A/100A
Max. Continuous charge current	150A
Max. Continuous discharge current	150A
Cycle life	≥6000 Cycles (0.5C@25°C, 80%DOD)
Recommended depth of discharge (DOD)	80%
Environmental Parameters	
Charge operating temperature	0~50°C
Discharge operating temperature	-20~55°C
Storage temperature	-10~+35°C
Humidity range	65±20%RH
Altitude	≤2000m
IP rating	IP20
Mechanical Parameters	
Net weight	86.5kg
Machine size (H×W×D)	700×400×240mm
Gross weight	97.6kg
Package size (L×W×H)	810×460×365mm
Other Parameters	
Display	LCD
Communication	CAN/RS485
Parallel connections	1~16 Units
Installation method	Wall/Floor-mounted
Cooling method	Natural convection
Standards and certifications	UN38.3/MSDS

*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.