



LESSO

LHD-51F314L1C-ZT

Battery Series 16kWh | 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



Floor Deployment, Flexible Arrangement

Adopting floor-standing configuration, free from spatial constraints and compatible with diversified site conditions



Flexible Scaling, Multi-unit Parallel

Supporting expandable multi-unit configuration, the system enables synchronous parallel connection of up to 63 units



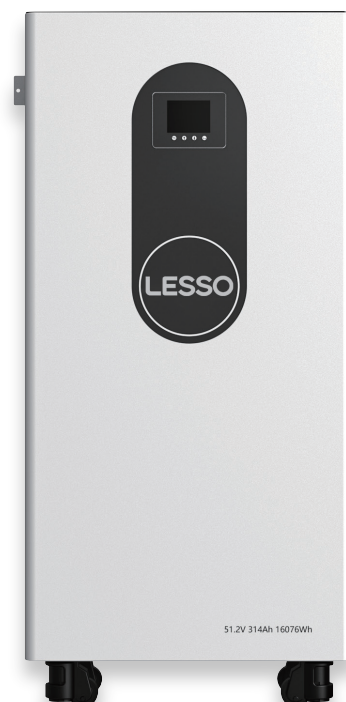
Ultra-long Lifespan, Cost Optimization

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-51F314L1C-ZT
Key Parameters	
Cell chemistry	LiFePO4
Rated energy	16.076 kWh
Nominal capacity	314Ah
Nominal voltage	51.2V
Charge Cut-Off voltage	57.6V
Discharge Cut-Off voltage	44.8V
Recommended charge/Discharge current	157A/157A
Max. Continuous charge current	200A
Max. Continuous 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~+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	127.5kg
Machine size (H×W×D)	976×460×245mm
Gross weight	153.5kg
Package size (L×W×H)	1118×659×413mm
Other Parameters	
Display	LCD
Communication	CAN/RS485
Parallel connections	1~63 Units
Installation method	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.