

LFC Series

LFB Series

LFP Series

LFR Series

OEM Pack

LFP Series

Grid System

LFS Series for Storage Power

LiFePO₄ Lithium Battery



Flexibly and Easy Installation

wall-mounted or floor-mounted



Easy Management

Real time online monitoring system battery status, intelligent warning



Strong Compatibility

Covering all mainstream protocols and matching most mainstream inverters



Long Life

4 times long static and 8 consistency screening make the battery more durable

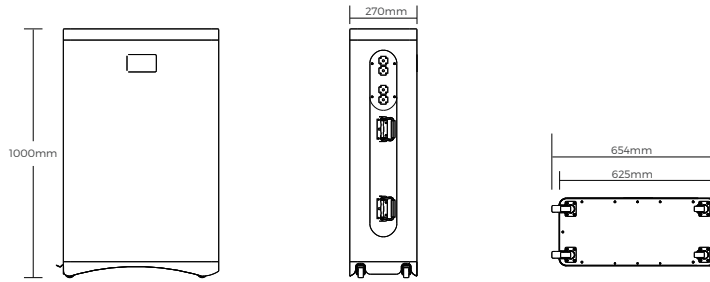


Safety & Reliability

Nano-coating and self-healing technology construct the LFP channel to add a firewall to the battery



Outer Dimensions



Specifications

Nominal voltage		48V
Nominal capacity		300Ah
Dimensions	Length	625±2mm (24.6inch)
	Width	270±2mm (10.6inch)
	height	1000±2mm (39.3inch)
Approx. net weight		140kg (308.6lbs)±2kg
Approx. gross weight		165kg (363.8lbs)±2kg
Electrical Parameters (25°C)	Rated Voltage	51.2V
	Rated Capacity (C _s)	300Ah@25°C
	Energy	15360Wh
	Months Self Discharge	<3%
	Charge Efficiency	99.5%@ 0.2C
	Discharge Efficiency	96-99%@ 1C
Terminal Diameter		M8
Internal resistance (Fully charged, 25°C)		≤200mΩ
Cycle life		>6000 cycles @ 0.2C 100%D.O.D
Capacity affected by temperature	40°C	101%
	25°C	100%
	0°C	90%
	-10°C	75%
Nominal operating temperature		25°C± 3°C (77°F± 5°F)
Operating temperature range	Discharge	- 20°C~ 60°C (-4°F ~ 140°F)
	Charge	0°C~ 45°C (32°F ~ 113°F)
	Storage	0°C~ 40°C (32°F ~ 104°F)
Water Dust Resistance		IP50
Charge Voltage		57V
Standard Charge Mode(25°C±2°C, <75%RH)		0.2CA Constant Current to 57V, then Constant Voltage 57V , until the current drops to 0.02CA, before use, rest 30 minutes
Charge Current		60A
Maximum Charge Current		100A
Charge Cut off Voltage		57V
Continuous Discharge Current		100A
Maximum Pulse Current		150A (<1S)
Discharge Cut Off Voltage		46V
Communicate Protocol (optional)		RS485/RS232/CAN
SOC (optional)		Screen/LED/PC Software
Application connection		1 string 1 parallel
Mechanical		16 Strings
Cell		Metal
The dimension of wooden package (mm)		1060*720*440

*1 Test conditions: Based on the factory date, charge and discharge rate at 0.2C at 100% discharge depth (DoD) and 25 °C

*2 The weight of the battery module is based on the actual product, with a tolerance of ± 3% allowed

*3 The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance