

Lithium Battery

LF48V50-C / LF48V100-C

MAIN FEATURES:

- Compact design, easy to install
- Intelligent anti-theft software
- Long lifespan
- Safe and reliable



MODEL	LF48V50-C	LF48V100-C
Battery Technique	LiFePO4, soft pack	
Rated Energy (KWH)	2.4KWH	4.8KWH
Rated Capacity (AH)	50AH	100AH
Rated Voltage	48V	
Operate Voltage Range	42V~54V	
Max. Charge Current (@35°C)	50A	100A
Max. Discharge Current (@35°C)	50A	100A
Max. Discharge Power	2.4KW	4.8KW
Charge or Discharge Efficiency (@25°C)	≥97%	
Communication Ports	CAN/ RS485, 2* dry contact	
Status Indicators	SOC / ALM / RUN	
Max. NO. of Parallel Groups	16	
Cycle Life	3500 cycles @80% DoD, 35 °C, 0.5C, 80%EOL	
Design Lifespan	≥10 years (@ operating temperature: 20°C~25°C)	
PROTECTION & STANDARD		
Protection Function	With protections for over temperature, over current, short circuit, over charge, over discharge, reverse polarity	
Certificate Standard	IEC62619, CE, RoHS2.0, REACH; UN38.3	
Protection Degree	≥IP20	
Cooling Method	Natural cooling	
PHYSICAL		
Weight	≤ 25KG	≤ 45KG
Demension (W*D*H, mm)	≤442*350*130 (3U, not include holders)	≤442*480*130 (3U, not include holders)
Installation	19" cabinet	
OPERATING ENVIRONMENT		
Operating Temperature	Charge: -10°C~55°C; Discharge: -20°C~ 55 °C (Derating when <10°C or >45°C; heating function optional when <0°C)	
Storage Temperature	-20°C~45°C @95%RH	
Relative Humidity	5%~95%RH	
Altitude	≤5000m (derating when over 3000m)	
Anti-Theft Design	Standard: software lock, buzzer ; optional: gyroscope, GPS	