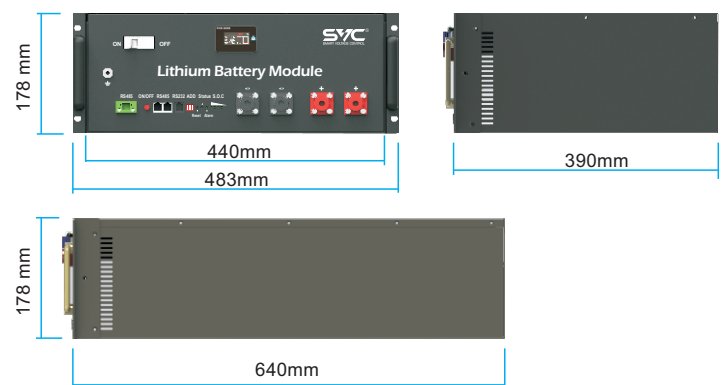# Rack mount lithium LiFePO4 battery

Smart LFP series LiFePO4 battery is a high-tech product developed for the requirements of new backup power supply. Built-in intelligent BMS to protect the battery pack at any time and prolong its service life, modular design enables parallel installation for larger power back up.

Main Features:

- Cells cycle times 6000 cycles(+25℃ 0.2C 80% DOD).
- Long lifespan: 5 years warranty, 10 years life design.
- 4U rack−mount chassis design is easy for parallel expansion and maintenance.
- Smart BMS system to optimize the performance.
- Communication: RS485/SNMP/Wifi/Bluetooth, Compatible with different brand of solar inverter and chargers.
- All around protection: such as SOC/SOH/ Anti−theft function etc..
- High discharge rate currents, suitable for on−grid or off−grid solar system and other loads.
- Maximum of 16 battery packs can be connected in parallel.
- With front display to know effectively the status of the batteries.

Drawing:

178 mm / 440mm / 483mm

390mm

178 mm / 640mm

Technical parameter:

Model	Smart LFP 24-100	Smart LFP 48-50	Smart LFP 48-100
SPECIFICATION			
Battery Type	LiFePO4	LiFePO4	LiFePO4
Battery Model	25.6V100AH	48V50AH	48V100AH
Nominal Capacity(25℃，0.2C)WH	2560Wh	2400Wh	4800Wh
Adjustable working voltage(Vdc)	22.4~29.2V	42~54.8V	42~54.8V
Folat Charge Voltage(Vdc)	28V	52.5V	52.5V
Max.Continuous discharge current(A)	100	50	100
Max.pulse discharge current(A)	150A 1Sec.	100A 1Sec.	150A 1Sec.
Max.Continuous charge current(A)	100	50	100
Cycle life(+25℃ 0.2C 80% DOD)	＞6000 Cycles	＞6000 Cycles	＞6000 Cycles
Cell Equalizer Current(A)	0.1~5A Max.(optional)	0.1~5A Max.(optional)	0.1~5A Max.(optional)
Terminal	M6		
Storage duration	6 months at 25℃		
Safety standard	IEC62619,UN38.3,MSDS,CE		
Communication function	RS485/UART/SNMP/Wifi/Bluetooth		
PROTECTION			
Protection	Overcharge protection\Overdischarge protection\Overcurrent protection\ Shortcircuit protection\Overtemperature protection		
AMBIENT			
Noise(dB)	＜40dB(1 meter)		
Working temperature	-20℃~+60℃		
Humidity	0~95%(no condensation)		
Altitude(m)	<3000		
DIMENSION			
L*W*H(product size)mm	L405*W483*H178mm		L655*W483*H178mm
L*W*H(package size)mm	L440*W518*H213mm		L690*W518*H213mm
Net Weight(Kg):	Approx.24kg		Approx.45kg
Gross Weight(Kg):	Approx.27kg		Approx.49kg

Additional Features (optional feature) LCD Display