



LiFe 100-48

Lithium Ferro Phosphate

48V - 100Ah

Electrical Specifications

Nominal Voltage	48 V
Nominal Capacity @25°C , 0.2C	100 Ah
Working voltage range	42 to 54 V

Recommended charging voltage	53,5 to 54 V
Recommended charging current	Max. 30A
Max. continue discharge current	100A
Max. peak discharge current	102A - 122A for 30 sec 123A - 150A for 2 sec
Discharging Cut-off voltage	42 V

Other Specifications

Cycle life (@20°C 0.2°C 80%DOD)	>= 4000 cycles
Dimensions LxWxH/mm (± 2mm)	442x520x182
Operating temperature (Discharge)	-30 °C to 60 °C
Operating temperature (Charge)	-20 °C to 60 °C
Storage temperature	-5 °C to 55 °C
Storage duration	12 mo +20 °C
Round trip efficiency (%)	> 98 %
Terminal	DSTB22-2-2-M6
Weight (kg)	62 (±0,4) kg
Safety standard on cell level	UL1642

Innovative Features

- RS232, RS485 communication output for monitoring
- Built-in BMS with charging current limitation
- Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
- State of charge and state of health indication
- Built-in battery control for efficient operation
- Internal cell balancing
- Compatible with standard Telecom rectifiers and Energy storage systems
- DO interface for customized dry contact signal
- PRO interface for upgrading BMS-firmware
- Customized BMS function and parameters
- Maintenance free

Graphics

