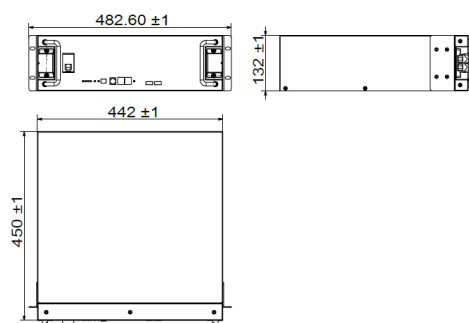


## LFELi-48100 (48V 100Ah)

- Anti-theft with tilt feature
- Flame retardant system to UL94V-0
- Good high temperature performance
- High cycle times and long service life
- Safe Lithium Iron Phosphate Technology
- Thousands of cycles, under normal conditions
- High energy density and conversion efficiency
- Environmental Friendly, without any heavy metals
- Complete with Battery Management System built-in
- Can use most standard VRLA chargers for this system
- Low self discharge rate of 2 years before required recharging
- Easy installation, can be in 19-inch & 23-inch standard cabinet or be wall-mounted
- Built-in automatic protection for over-charge, over-discharge & over-temperature conditions



### Dimensions-mm



### Characteristic

Item	Specification
Model	LFELi-48100
Rated Capacity (5HR)	100 Ah
Nominal Voltage	48.0 V
Discharge Ending Voltage	43.2 V
Charging Limited Voltage	54.0 V
Max. Charging Current	100 A
Max. Continue Discharging Current	100 A
Internal Resistance (25°C - 45°C)	< 20.0mΩ
Weight	Approx. 40.1 Kg ±1 kg
Display	Without LCD display
Parallel Connection	Parallel connection is optional (up to 16P).
Dimensions (W*D*H) mm (inches)	442 (17.40") * 450 (17.72") * 132 (5.20") (3U Height)
Cell	3.2V 100Ah (Prismatic / 15S)
Design life	More than 20 years
Cycle Life	More than 3500 cycles at 100% DOD
IP Class	IP31
Outer Package Material	Black bake lacquer steel case (battery rack or cabinet is optional)
Operating Temperature	Charging: 0 to +55°C      Discharging: -20 to +60°C      Storage: -10 to +50°C
Optional	Circuit Breaker

### Discharge Table

Constant Current Discharge Table (Amperes) at 25°C							
Model	Voltage	Time	1 h	2 h	3 h	5 h	10 h
LFeLi-48100	End of discharge voltage 43.2 V		97A	49A	33 A	20 A	10 A
Constant Power Discharge Table (Watts) at 25°C							
Model	Voltage	Time	1 h	2 h	3 h	5 h	10 h
LFeLi-48100	End of discharge voltage 43.2 V		4560W	2320 W	1568 W	960 W	480W

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