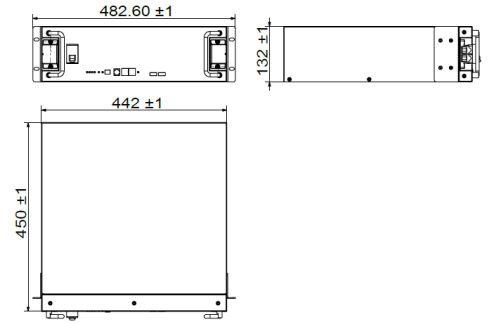


LFELi-48100 (48V 100Ah)

- 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 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	43.0 V
Charging Limited Voltage	54.0 V
Max. Continue Charging Current	100 A (1C @ 40°C) Charge Efficiency ≥ 96%@ 0.5C and ≥ 93.2%@ 1C
Max. Continue Discharging Current	100 A (1C @ 40°C) Discharge Efficiency ≥ 94@ 0.5C and ≥ 92%@ 1C
Internal Resistance (25 °C)	Approx 30.0mΩ
Weight	Approx. 41 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")
Cell	3.2V 100Ah (Prismatic / 15S)
Design life	More than 20 years
Cycle Life	More than 3500 cycles at 100% DOD
IP Class	IP40
Battery Terminal	M8
Outer Package Material	Black bake lacquer steel case (battery rack or cabinet is optional)
Operating Temperature	Charging: 0 to +60°C Discharging: -20 to +60°C Storage: -20 to +60°C Humidity: 5-95% non-condensing

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 43.0 V		95A	49 A	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 43.0 V		4460W	2295 W	1550 W	940 W	475W

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