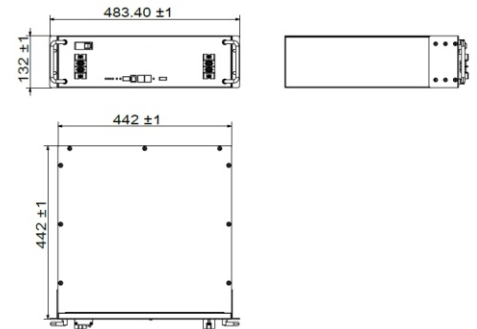


LFELi-4850 (48V 50Ah)

Dimensions-mm



- Intra-system balancing
- 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



Characteristic

Item	Specification
Model	LFELi-4850
Rated Capacity (5HR)	50 AH
Nominal Voltage	48.0 V
Discharge Ending Voltage	43.0V
Charging Limited Voltage	54.0 V
Max. Continue Charging Current	50.0 A (1C @ 40°C) Charge Efficiency ≥ 96% @ 0.5C and ≥ 93.5% @ 1C
Max. Continue Discharging Current	50.0 A (1C @ 40°C) Discharge Efficiency ≥ 94@ 0.5C and ≥ 92 %@1C
Internal Resistance (25 °C)	Approx 45.0mΩ
Weight	Approx. 26 Kg
Display	Without a LCD display
Parallel Connection	Parallel connection is optional (up to 16P).
Dimensions (W*D*H) mm (inches)	442 (17.40") * 442 (17.40") * 132 (5.20")
Containing Cell	3.2V 50AH (Prismatic / 15S)
Design Life	More than 12 years
Cycle Life	More than 3500 cycles at 100% DOD.
IP Class	IP40
Battery Terminal	M6
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: -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	4 h	5 h	10 h
LFELi-4850	End of discharge voltage 43.0 V		47.5 A	24.0 A	16.6 A	12.5 A	10 A	5 A
Constant Power Discharge Table (Watts) at 25°C								
Model	Voltage	Time	1 h	2 h	3 h	4 h	5 h	10 h
LFELi-4850	End of discharge voltage 43.0 V		2304 W	1176 W	800 W	600 W	480 W	240 W

