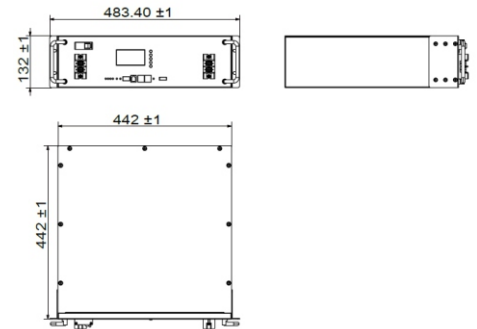


# LFELi-4850T (48V 50Ah)

- 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



## Dimensions-mm



## Characteristic

Item	Specification	
Model	LFELi-4850TA	LFELi-4850TB
Rated Capacity (5HR)	50 AH	50 AH
Nominal Voltage	48.0 V	48.0 V
Discharge Ending Voltage	40.5 V	40.5 V
Charging Limited Voltage	54.0 V	54.0 V
Max. Charging Current	50.0 A	50.0 A
Max. Continue Discharging Current	50.0 A	50.0 A
Weight	Approx. 32 Kg	Approx. 32 Kg
Display	Without a display screen	With a LCD display screen
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	
Design Life	More than 12 years	
Cycle Life	More than 3500 cycles at 100% DOD.	
IP Class	IP30	
Outer Package Material	Black bake lacquer steel case (battery rack or cabinet is optional)	
Operating Temperature	Charging: 0 to +45°C    Discharging: -20 to +60°C    Storage: -20 to +60°C	

## 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-4850TA	End of discharge voltage 40.5 V	47.5 A	24.0 A	16.6 A	12.5 A	10 A	5 A
LFELi-4850TB	End of discharge voltage 40.5 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-4850TA	End of discharge voltage 40.5 V	2304 W	1176 W	800 W	600 W	480 W	240 W
LFELi-4850TB	End of discharge voltage 40.5 V	2304 W	1176 W	800 W	600 W	480 W	240 W

