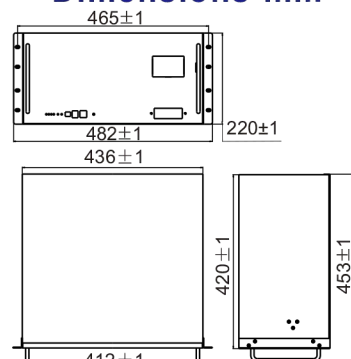


# LFELi-48100 (48V 100Ah)

- 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-48100A	LFELi-48100B
Rated Capacity (5HR)	100 AH	100 AH
Nominal Voltage	51.2 V	51.2 V
Discharge Ending Voltage	43.2 V	43.2 V
Charging Limited Voltage	57.6 V	57.6 V
Max. Charging Current	50.0 A	50.0 A
Max. Continue Discharging Current	50.0 A	50.0 A
Weight	Approx. 49 Kg	Approx. 49 Kg
Display	Without a display screen	With a LCD display screen
Parallel Connection	Parallel connection is optional (up to 16P). When paralleling, the max. charging current is 20A.	
Dimensions (W*D*H) mm (inches)	436 (17.17") * 420 (16.54") * 220 (8.66")	
Containing Cell	3.2V 50AH	
Design Life	More than 10 years	
Cycle Life	More than 3000 cycles at 80% DOD	
IP Class	IP30	
Outer Package Material	White bake lacquer steel case (battery rack or cabinet is optional)	
Operating Temperature	Charging: 0 to +45℃    Discharging: -20 to +60℃    Storage: -20 to +60℃	

## Discharge Table

Constant Current Discharge Table (Amperes) at 25℃							
Model	Voltage \ Time	1 h	2 h	3 h	4 h	5 h	10 h
LFELi-48100A	End of discharge voltage 43.2 V	95A	49 A	33 A	25 A	20 A	10 A
LFELi-48100B	End of discharge voltage 43.2 V	95A	49 A	33 A	25 A	20 A	10 A

Constant Power Discharge Table (Watts) at 25℃							
Model	Voltage \ Time	1 h	2 h	3 h	4 h	5 h	10 h
LFELi-48100A	End of discharge voltage 43.2 V	4560W	2400 W	1610 W	1210 W	970 W	486 W
LFELi-48100B	End of discharge voltage 43.2 V	4560W	2400 W	1610 W	1210 W	970 W	486 W

