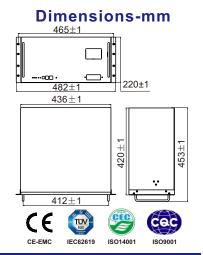


- VRLA Battery- AGM Series
- VRLA Battery- GEL Series
- □ VRLA Battery- High Temperature Series
- □ VRLA Battery- OPzV Series
 - VRLA Battery- Pure lead Series
 Flooded Battery- OPzS Series

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
- Low sell 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-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°C Discharging: -20 to +60°C Storage: -20 to +60°C				

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 Bower Discharge Table (Metta) at 25%							

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	

Publication No :LB-LFeLi-48100-PD-EN-V5.2-201709



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