

VRLA Battery- AGM Series

VRLA Battery- GEL Series

□ VRLA Battery- High Temperature Series

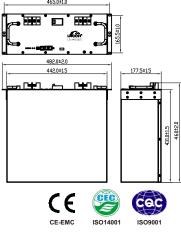
- VRLA Battery- OPzV Series
- VRLA Battery- Pure lead Series
  Flooded Battery- OPzS Series

## LFeLi-48100T (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	Specification				
Model	LFeLi-48100TA	LFeLi-48100TB				
Rated Capacity (5HR)	100 Ah	100 Ah				
Nominal Voltage	48.0 V	48.0 V				
Discharge Ending Voltage	40.5 V	40.5V				
Charging Limited Voltage	54.0 V	54.0 V				
Max. Charging Current	100 A	100 A				
Max. Continue Discharging Current	100 A	100 A				
Weight	Approx. 43 Kg	Approx. 43 Kg				
Display	Without display screen	With a LCD display screen				
Parallel Connection	Parallel connection is optional (up to	Parallel connection is optional (up to 15P).				
Dimensions (W*D*H) mm (inches)	442 (17.40") * 431 (16.97") * 177.5 (	442 (17.40") * 431 (16.97") * 177.5 (6.99")				
Cell	3.2V 100Ah	3.2V 100Ah				
Design life	More than 20 years	More than 20 years				
Cycle Life	More than 3500 cycles at 100% DOI	More than 3500 cycles at 100% DOD.				
IP Class	IP30	IP30				
Outer Package Material	Black bake lacquer steel case (batte	Black bake lacquer steel case (battery rack or cabinet is optional)				
Operating Temperature	Charging: 0 to +55℃ Discharging: -20 to +60℃ Storage: -20 to +60℃					

## **Discharge Table**

Constant Current Discharge Table (Amperes) at 25°C								
Model	Voltage	1 h	2 h	3 h	5 h	10 h		
LFeLi-48100T	End of discharge voltage 40.5 V	95A	49 A	33 A	20 A	10 A		

Constant Power Discharge Table (Watts) at 25℃									
Model	Voltage	1 h	2 h	3 h	5 h	10 h			
LFeLi-48100T	End of discharge voltage 40.5 V	4460W	2295 W	1550 W	940 W	475W			

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