

VRLA Battery- AGM Series

VRLA Battery- GEL Series

□ VRLA Battery- High Temperature Series

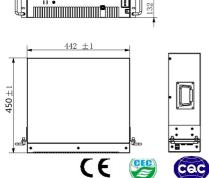
- VRLA Battery- OPzV Series
- VRLA Battery- Pure lead Series
 Flooded Battery- OPzS Series

LFeLi-48100ZN(48V100Ah)

- 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
- Built-in automatic protection for over-charge, over-discharge & over-temperature conditions

Characteristic





CE-EMC

ISO14001

ISO9001

Dimensions-mm

492 ±1

Item	Specification					
Model	LFeLi-48100ZN					
Rated Capacity (5HR)	100 Ah					
Nominal Voltage	4 8 V					
Discharge Ending Voltage	40.5V					
Charging Limited Voltage	54V					
Max. Charging Current	100 A					
Max. Continue Discharging Current	100 A					
Weight	Approx. 42 Kg					
Display	Without a 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)	442 (19.40") * 450 (17.72") * 132 (5.20")					
Containing Cell	3.2V 50Ah					
Design life	More than 15 years					
Cycle Life	More than 3500 cycles at 100% DOD.					
IP Class	IP30					
Outer Package Material	Black aluminum and sheet metal case (battery rack or cabinet is optional)					
Operating Temperature	Charging: 0 to +45 $^{\circ}$ CDischarging: -20 to +60 $^{\circ}$ CStorage: -20 to +60 $^{\circ}$ C					

Discharge Table

Constant Current Discharge Table (Amperes) at 25 °C									
Model	Voltage Time	1 h	2 h	3 h	5 h	10 h			
LFeLi-48100ZN	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 Time	1 h	2 h	3 h	5 h	10 h			
LFeLi-48100ZN	End of discharge voltage 40.5 V	4560W	2352W	1584W	960 W	480W			

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