

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

VRLA Battery- Pure lead Series

LFeLi-48100D (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

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Dimensions-mm482.6±1 465±1 436 ± 1 350±1 412±1[----] CE

Characteristic

Item	Specification					
Model	LFeLi-48100DA	LFeLi-48100DB				
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. 48 Kg	Approx. 48 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") * 350 (13.78") * 221.5 (8.72")					
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-48100DA	End of discharge voltage 43.2 V	95A	49 A	33 A	25 A	20 A	10 A
LFeLi-48100DB	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℃							

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

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