

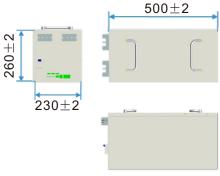


- VRLA Battery- GEL Series
- □ VRLA Battery- High Temperature Series
- VRLA Battery- OPzV SeriesVRLA Battery- Pure lead Series
- Flooded Battery- OPzS Series

LFeLi-48100F (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
- Built-in automatic protection for over-charge, over-discharge & over-temperature conditions

Dimensions-mm









Characteristic

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Item	Specification					
Model	LFeLi-48100F					
Rated Capacity (5HR)	100 Ah					
Nominal Voltage	48.0 V					
Discharge Ending Voltage	40.5 V					
Charging Limited Voltage	54.0 V					
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 (L*W*H) mm (inches)	500 (19.69") * 230 (9.06") * 260 (10.24")					
Containing Cell	3.2V 100Ah					
Design life	More than 12 years					
Cycle Life	More than 3500 cycles at 100% DOD.					
IP Class	IP30					
Outer Package Material	Black 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	5 h	10 h			
LFeLi-48100F	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-48100F	End of discharge voltage 40.5 V	4460W	2295 W	1550 W	940 W	475W			

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Subject to revisions without prior notice.