

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

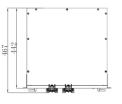
LFeLi-4850C (48V 50Ah)

- 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						
Model	LFeLi-4850CA	LFeLi-4850CB					
Rated Capacity (5HR)	50 AH	50 AH					
Nominal Voltage	48.0 V	48.0 V					
Discharge Ending Voltage	40.5 V	40.5 V					
Charging Limited Voltage	54.0 V	54.0 V					
Max. Charging Current	50.0 A	50.0 A					
Max. Continue Discharging Current	50.0 A	50.0 A					
Weight	Approx. 32 Kg	Approx. 32 Kg					
Display	Without a display screen	With a LCD display screen					
Parallel Connection	Parallel connection is optional (up to 1	Parallel connection is optional (up to 16P). When paralleling, the max. charging current is 10A.					
Dimensions (W*D*H) mm (inches)	442 (17.40") * 442 (17.40") * 132 (5.20	442 (17.40") * 442 (17.40") * 132 (5.20")					
Containing Cell	3.2V 50AH	3.2V 50AH					
Design Life	More than 12 years						
Cycle Life	More than 3000 cycles at 80% DOD.						
IP Class	IP30	IP30					
Outer Package Material	White bake lacquer steel case (bat	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-4850CA	End of discharge voltage 40.5 V	47.5 A	24.0 A	16.6 A	12.5 A	10 A	5 A	
LFeLi-4850CB	End of discharge voltage 40.5 V	47.5 A	24.0 A	16.6 A	12.5 A	10 A	5 A	
Constant Power Discharge Table (Watts) at 25°C								

Constant Power Discharge Table (Watts) at 25℃							
Model	Voltage Time	1 h	2 h	3 h	4 h	5 h	10 h
LFeLi-4850CA	End of discharge voltage 40.5 V	2400 W	1205 W	805 W	605 W	484 W	243 W
LFeLi-4850CB	End of discharge voltage 40.5 V	2400 W	1205 W	805 W	605 W	484 W	243 W

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