

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-4850

- 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						
Model	LFELI-4850					
Rated Capacity (5HR)	50 AH					
Nominal Voltage	48.0 V					
Discharge Ending Voltage	40.5 V					
Charging Limited Voltage	54.0 V					
Max. Charging Current	50.0 A					
Max. Continue Discharging Current	50.0 A					
Weight	Approx. 32 Kg					
Display	With a LCD display screen					
Parallel Connection	Parallel connection is optional (up to 16P).					
Dimensions (W*D*H) mm (inches)	442 (17.40") * 442 (17.40") * 132 (5.20")					
Containing Cell	3.2V 50AH					
Design Life	More than 15 years					
Cycle Life	More than 5000 cycles at 80% DOD.					
IP Class	IP30					
Outer Package Material	Black bake lacquer steel case (battery rack or cabinet is optional)					
Operating Temperature	Charging: 0 to +50 °C Discharging: -20 to +60 °C Storage: -20 to +60 °C					

Discharge Table

Constant Current Discharge Table (Amperes) at 25℃									
Model	Voltage	1 h	2 h	3 h	4 h	5 h	10 h		
LFeLi-4850TA	End of discharge voltage 40.5 V	47.5 A	24.0 A	16.6 A	12.5 A	10 A	5 A		
LFeLi-4850TB	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									
Model	Voltage Time	1 h	2 h	3 h	4 h	5 h	10 h		
LFeLi-4850TA	End of discharge voltage 40.5 V	2304 W	1176 W	800 W	600 W	480 W	240 W		
LFeLi-4850TB	End of discharge voltage 40.5 V	2304 W	1176 W	800 W	600 W	480 W	240 W		

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