

LFFeLi-48100T (48V 100Ah)

Dimensions-mm

- 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



Characteristic

Item	Specification	
Model	LFFeLi-48100TA	LFFeLi-48100TB
Rated Capacity (5HR)	100 Ah	100 Ah
Nominal Voltage	48.0 V	48.0 V
Discharge Ending Voltage	40.5 V	40.5V
Charging Limited Voltage	54.0 V	54.0 V
Max. Charging Current	100 A	100 A
Max. Continue Discharging Current	100 A	100 A
Weight	Approx. 4n Kg	Approx. 4n Kg
Display	Without 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)	442 (17.40") * 450 (17.72") * 177.5 (6.99")	
Cell	VhV 100Ahozj o k j	
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 +55°C Discharging: -20 to +60°C Storage: -20 to +60°C	

Discharge Table

Constant Current Discharge Table (Amperes) at 25°C						
Model	Voltage \ Time	1 h	2 h	3 h	5 h	10 h
LFFeLi-48100T	End of discharge voltage 40.5 V	95A	49 A	33 A	20 A	10 A

Constant Power Discharge Table (Watts) at 25°C						
Model	Voltage \ Time	1 h	2 h	3 h	5 h	10 h
LFFeLi-48100T	End of discharge voltage 40.5 V	4460W	2295 W	1550 W	940 W	475W

