



# iFe 50-48FT

ium Ferro Phosphate

V - 50Ah



## Innovative Features

- High energy density
- Automatic protection with internal Battery Management System
- Supports fast charging
- Low self-discharge
- Excellent performance in all the operating temperatures
- The rechargeable battery is optimized for low rate application which require high energy density
- Maintenance free

## Electrical Specification

Nominal Voltage	48V
Nominal Capacity 25°C, 0.2C	50Ah
Working voltage range	36.4 to 54.6V
Recommended charging voltage	54.6 to 55V
Charging current limitation	Max. 25A
Max. continue discharge current	50A
Max. peak discharge current	100A <5 sec
Discharging cut-off voltage	42V

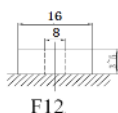
## Dimensions

L x W x H in mm (± 2mm)	395x110x286
Weight in kg (± 0.2)	20

## Other Specifications

Cycle life (@20°C, 0.2C 100% DoD)	>1.000 Cycles
Operating temperature (discharge)	-20°C to 60°C
Operating temperature (charge)	0°C to 60°C
Storage temperature	-20°C to 45°C
Storage duration	12 months @25°C to
Round trip efficiency (%)	>98%
Safety standard	UL1642 at cell level

## Terminal



Manufactured in ISO9001, ISO14001, OHSAS 18001 certified facility



## Standards

Compliant with:  
BS 6290-4: 1997  
BS EN 60896-21: 2004  
BS EN 60896-22: 2004