

# LiFeO4 Battery Datasheet

## Product Features

- Intelligent Battery Equalization Management
- Intelligent Charging / Discharging management
- High precision voltage detection
- High precision current detection
- 5-channel battery temperature testing
- Software and hardware for protection of over voltage, low voltage, under-voltage, over-current, high/low temperature, short-circuit.
- EEPAOM can store the data of manufacturing and history of use, compatible with SMBUS V2.0 & SBDData V1.1
- LED and beeping indications showing battery level and faulty alarm
- RS232 communicating port to read the data of SOC and SOH.
- RS485 port to monitor the Cascading battery module
- Rack-mounted battery shape design is more convenient to install



## Main Technology Parameters

Item	Specifications
Model Number	NCTS-L48V50AH
Rating Voltage(V)	51.2
Rating Capacity(Ah)	50
Rating Charge Voltage(V)	57.6
Rating Charge Current(A)	5
Max Discharge Current(A)	50
Over Charge Protection Voltage(V)	59.2
Over Discharge Protection Voltage(V)	41.6
Over Charge Protection Current(A)	10
Overload Protection Current(A)	50
Ability of Parallel	Support
Charge management	yes
Highest Charge Temperature Protection(°C)	60
Lowest Charge Temperature Protection(°C)	0
Highest Discharge Temperature Protection(°C)	70
Lowest Discharge Temperature Protection(°C)	-5
Over Charge Protection Latency Time(S)	5
Over Charge Protection Release Time(S)	30
Over Discharge Protection Latency Time(S)	5
Over Discharge Protection Release Time(S)	30
Short-circuit Protection Latency Time ( μS)	120
Battery Equalization Type	Passive Equalization (Resistance)
Max Equalization Current (mA)	200
Rack Battery height	3U
Battery Dimension ( mm)	482.6x 133x585
Battery Weight ( kg)	42

\* Specifications will be changed without any notice