

# Lithium-ion Battery for Telecom



# CFE-4850T

## Main models & Technical spec

Intelligent design: universal matching, precise SOC, simple operation and maintenance, and multiple protection systems.

Intelligent software anti-theft design: Gyro anti-theft function(Optional function)<sup>①</sup>, buzzer alarm.

High reliability design: Integrated BMS design, long service life High-density design: 48 Ah, 3U high.

Item		CFE-4850T	
<b>1. Performance parameters</b>			
Model		15S	16S
Nominal voltage		48V	51.2V
Rated capacity		48Ah(0.2C to 40V at 25 °C )	
Operating voltage range		40V-56.4V	42V-57.6V
Boost charge/Float charge voltage		54.5V/52.5V	57.6V/54V
Charging current (current-limiting )		10A	10A
Charging current (Maximum)		50A	50A
Discharge current (Maximum)		50A	50A
Discharge cut-off voltage		40V	42V
Dimensions	Width	442±1mm	442±1mm
	Height	133±1mm	133±1mm
	Depth	500±1mm	500±1mm
Weight		25.5±1kg	27.5±1kg
<b>2. Function Description</b>			
Installation method		Rack mounted / Wall mounted	
Communication interface		RS232/CAN*2/Dry Contact*2	
Indicator state		ALM/RUN/SOC	
Parallel communication		Maximum support for 15 sets of parallel	
Terminal stud		M8	
Alarm and protection		Over voltage, under voltage, short circuit, overload, over current, over temperature, low temperature protection, etc.	
<b>3. Working Condition</b>			
Cooling mode		Self-cooling	
Altitude		≤4000m	
Humidity		5%-95%	
Operating temperature	Charge	0°C to 45°C	
	Discharge	-20°C to 45°C	

# CFE-48100T

## Main models & Technical spec

Intelligent design: universal matching, precise SOC, simple operation and maintenance, and multiple protection systems.

Intelligent software anti-theft design : Gyro anti-theft function(Optional function)<sup>①</sup>, buzzer alarm.

High reliability design: Integrated BMS design, long service life High-density design: 100 Ah, 4U high.

Item	CFE-48100T		
<b>1. Performance parameters</b>			
Model	15S	16S	
Nominal voltage	48V	51.2V	
Rated capacity	100Ah(0.2C to 40V at 25 °C )		
Operating voltage range	40V-56.4V	42V-57.6V	
Boost charge/Float charge voltage	54.5V/52.5V	57.6V/54V	
Charging current (current-limiting )	10A	10A	
Charging current (Maximum)	100A	100A	
Discharge current (Maximum)	100A	100A	
Discharge cut-off voltage	40V	42V	
Dimensions	Width	442±1mm	442±1mm
	Height	177±1mm	177±1mm
	Depth	530±1mm	530±1mm
Weight	46.5±1kg	48.5±1kg	
<b>2. Function Description</b>			
Installation method	Rack mounted / Wall mounted		
Communication interface	RS232/CAN*2/Dry Contact*2		
Indicator state	ALM/RUN/SOC		
Parallel communication	Maximum support for 15 sets of parallel		
Terminal stud	M8		
Alarm and protection	Over voltage, under voltage, short circuit, overload, over current, over temperature, low temperature protection, etc.		
<b>3. Working Condition</b>			
Cooling mode	Self-cooling		
Altitude	≤4000m		
Humidity	5%-95%		
Operating temperature	Charge	0°C to 40°C	
	Discharge	-40°C to 60°C	

# CFE-48150T

## Main models & Technical spec

Intelligent design: universal matching, precise SOC, simple operation and maintenance, and multiple protection systems.

Intelligent software anti-theft design: Gyro anti-theft function(Optional function)<sup>①</sup>, buzzer alarm.

High reliability design: Integrated BMS design, long service life High-density design: 100 Ah, 5U high.

Item		CFE-48150T	
<b>1. Performance parameters</b>			
Model		15S	16S
Nominal voltage		48V	51.2V
Rated capacity		150Ah(0.2C to 40V at 25 °C )	
Operating voltage range		40V-56.4V	42V-57.6V
Boost charge/Float charge voltage		54.5V/52.5V	57.6V/54V
Charging current (current-limiting )		10A	10A
Charging current (Maximum)		100A	100A
Discharge current (Maximum)		100A	100A
Discharge cut-off voltage		40V	42V
Dimensions	Width	442±1mm	442±1mm
	Height	191±1mm	191±1mm
	Depth	580±1mm	580±1mm
Weight		63±1kg	65.55±1kg
<b>2. Function Description</b>			
Installation method		Rack mounted / Wall mounted	
Communication interface		RS232/CAN*2/Dry Contact*2	
Indicator state		ALM/RUN/SOC	
Parallel communication		Maximum support for 15 sets of parallel	
Terminal stud		M8	
Alarm and protection		Over voltage, under voltage, short circuit, overload, over current, over temperature, low temperature protection, etc.	
<b>3. Working Condition</b>			
Cooling mode		Self-cooling	
Altitude		≤4000m	
Humidity		5%-95%	
Operating temperature	Charge	0°C to 40°C	
	Discharge	-40°C to 60°C	

# CFE-48200T

## Main models & Technical spec

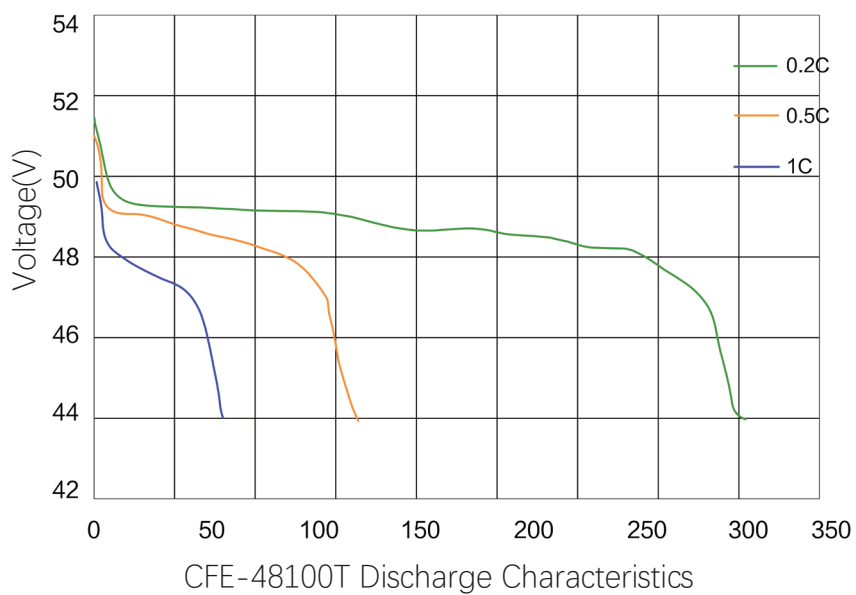
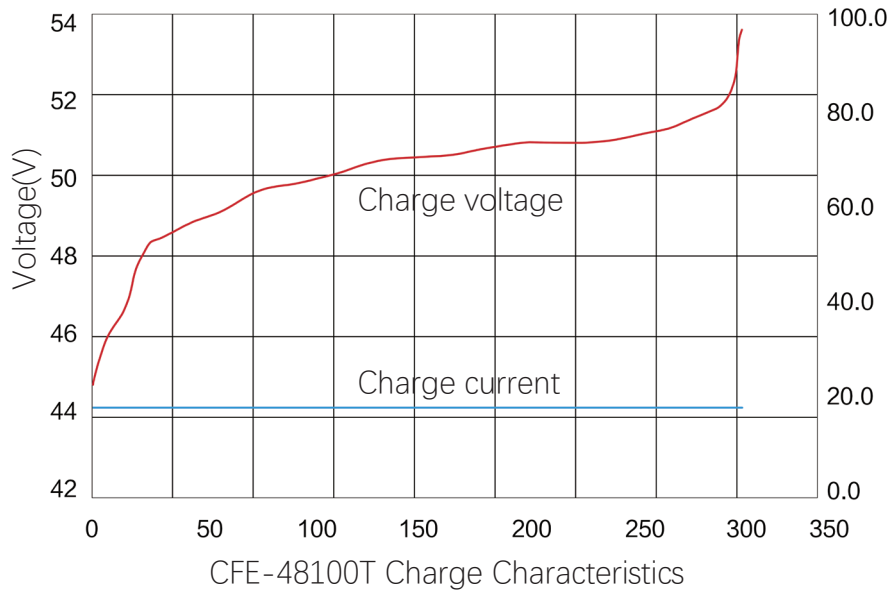
Intelligent design: universal matching, precise SOC, simple operation and maintenance, and multiple protection systems.

Intelligent software anti-theft design: Gyro anti-theft function(Optional function)<sup>①</sup>, buzzer alarm.

High reliability design: Integrated BMS design, long service life High-density design: 100 Ah, 6U high.

Item		CFE-48200T	
<b>1. Performance parameters</b>			
Model		15S	16S
Nominal voltage		48V	51.2V
Rated capacity		200Ah(0.2C to 40V at 25 °C )	
Operating voltage range		40V-56.4V	42V-57.6V
Boost charge/Float charge voltage		54.5V/52.5V	57.6V/54V
Charging current (current-limiting )		10A	10A
Charging current (Maximum)		100A	100A
Discharge current (Maximum)		100A	100A
Discharge cut-off voltage		40V	42V
Dimensions	Width	442±1mm	442±1mm
	Height	266±1mm	266±1mm
	Depth	580±1mm	580±1mm
Weight		78.5±1kg	81.5±1kg
<b>2. Function Description</b>			
Installation method		Rack mounted / Wall mounted	
Communication interface		RS232/CAN*2/Dry Contact*2	
Indicator state		ALM/RUN/SOC	
Parallel communication		Maximum support for 15 sets of parallel	
Terminal stud		M8	
Alarm and protection		Over voltage, under voltage, short circuit, overload, over current, over temperature, low temperature protection, etc.	
<b>3. Working Condition</b>			
Cooling mode		Self-cooling	
Altitude		≤4000m	
Humidity		5%-95%	
Operating temperature	Charge	0°C to 40°C	
	Discharge	-40°C to 60°C	

- ① When the gyroscope anti-theft device is turned on, an alarm will occur if the system produces displacement or angular deviation.
- ② The recommended storage temperature is 20 ~ 30°C, the battery life would be reduced if battery is stored in high temperature. (The recharging interval should be 12 months when temperature is below 30°C, and it should be 8 months when temperature is 30 ~ 40°C ).
- ③ Charging and discharging current may be derated or battery will be protected when battery is out of the temperature range.
- ④ When the output power of battery reaches to the maximum value, over temperature protection may be triggered, which shortens the battery discharging time.
- ⑤ The parameters in this datasheet are based on the date of production, and may be affected by external environment factors, such as temperature, transportation, and storage.





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