

SDA10-48200

Lithium-ion battery system for telecom



shoto

Application Scenarios

- Backup Power Supply For FTTB、 FTTH、 ONU、 EPON
- applicable to stable grid, half-grid and other scenes

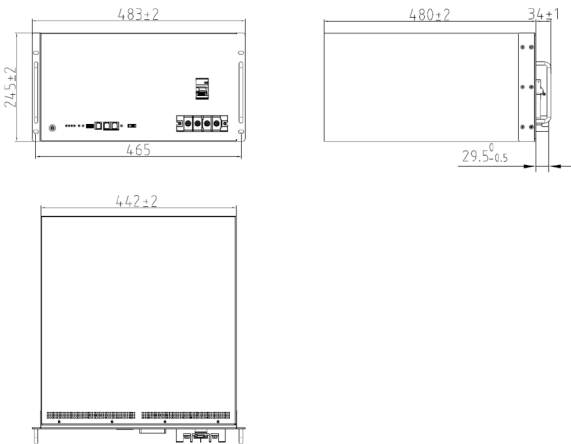
Key advantages

- High energy density: more energy with less weight and footprint
- High charge and discharge currents (short charge period)
- Long battery life (up to 3 times the battery life of a conventional battery)
- High efficiency between charging and discharging
- Higher continual power available
- High temp tolerable
- Predictable end of life due BMS controller
- Embedded with anti theft features via electronic & physical
- Other functions (optional): LCD/GPS/Breaker/Fan

Product Certificates

- ISO9001
- ISO14001
- CE
- UN38.3
- UL

Overall dimensions



Technical Parameters

Item	Parameters	
1. Performance parameters		
Model	15S	
Nominal voltage	48V	
Rated capacity	200Ah(C ₅ , 0.1C to 40V at 25 °C)	
Operating voltage range	40V-56.4V	
Boost charge/Float charge voltage	54.5V/52.5V	
Charging current (current-limiting)	10A	
Charging current (Maximum)	100A	
Discharge current (Maximum)	100A	
Discharge cut-off voltage	40V	
Dimensions	Width	442±2mm
	Height	245±2mm
	Depth	480±2mm
Weight	About 78±3kg	
2. Function Description		
Installation method	Rack mounted / Wall mounted	
Communication interface	RS485*2/SNMP/Dry contact*5/TCP Modbus	
Indicator state	ALM/RUN/SOC	
Parallel communication	Maximum support for 16 sets of parallel	
25 °C Cycle index	3000 cycles@0.5C,80%DOD,35 °C	
Alarm and protection	Over voltage, under voltage, short circuit, overload, over current, over temperature, low temperature protection, etc.	
3. Working Condition		
Cooling mode	Self-cooling	
Altitude	≤4000m	
Humidity	5%-95%	
Operating temperature	Charge	-5°C~+45°C
	Discharge	-20°C~+50°C
Recommended operating temperature	Charge	+15°C~+35°C
	Discharge	+15°C~+35°C
	Storage	-20°C~+35°C

Passion for Storage
and Green Energy

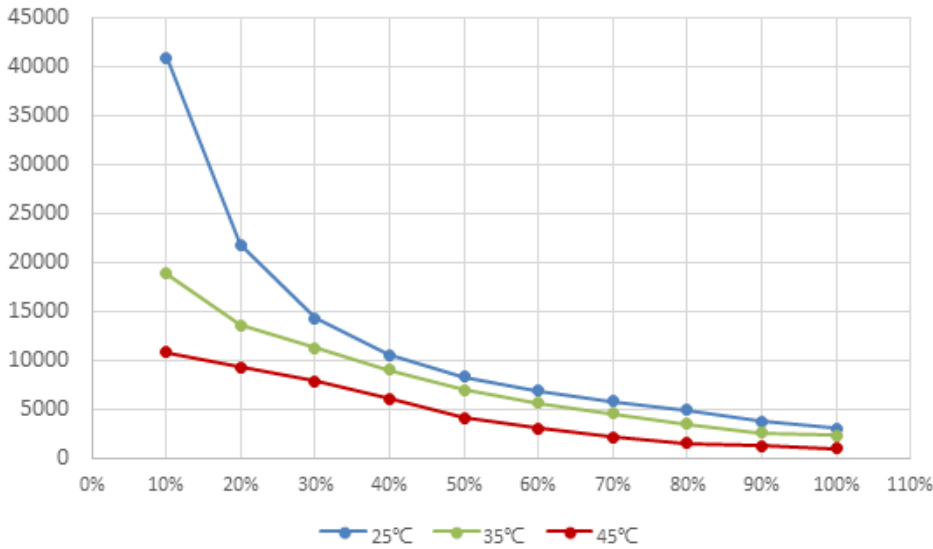
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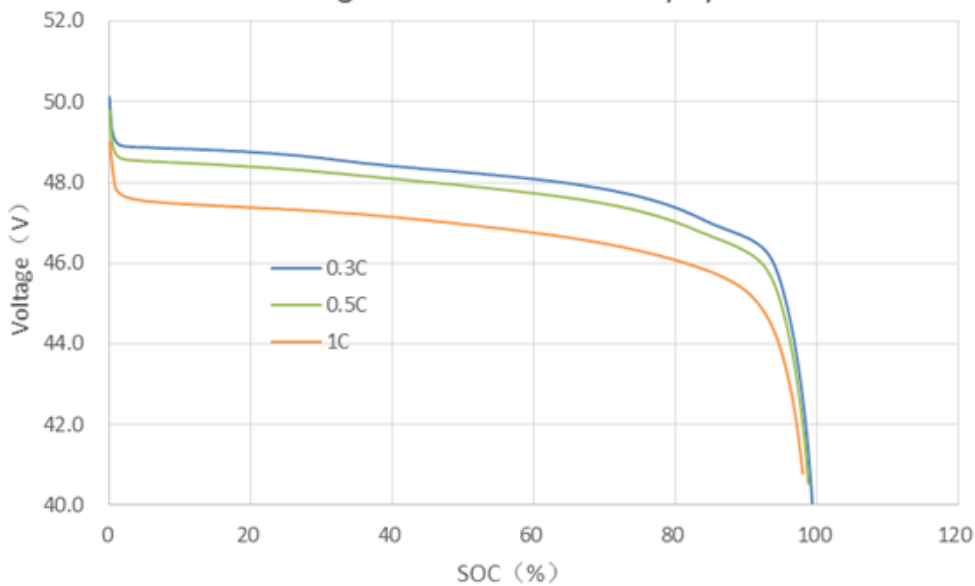
Battery Cycle Life at different DOD

Battery cycle life at different DoD



Discharge Curves

Rate Discharge Curve of 48V Battery System



Declaration: This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact CHINASHOTO for the latest information.