

# SDA10-48200

Lithium-ion battery system for telecom  
Cyclic type



shoto

## Application Scenarios

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

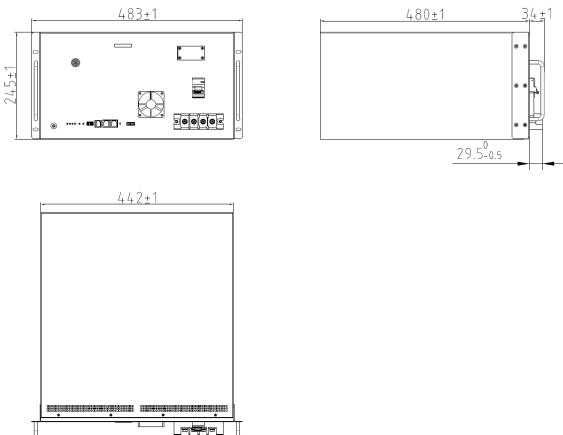
## Key advantages

- 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): Heating/LCD/Dry Contact

## 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 <sub>5</sub> , 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)	40A	
Charging current (Maximum)	100A	
Discharge current (Maximum)	55A	
Discharge cut-off voltage	40V	
Dimensions	Width	442±1mm
	Height	245±1mm
	Depth	480±1mm
Weight	About 78±1kg	
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	3500@0.5C/0.5C	
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

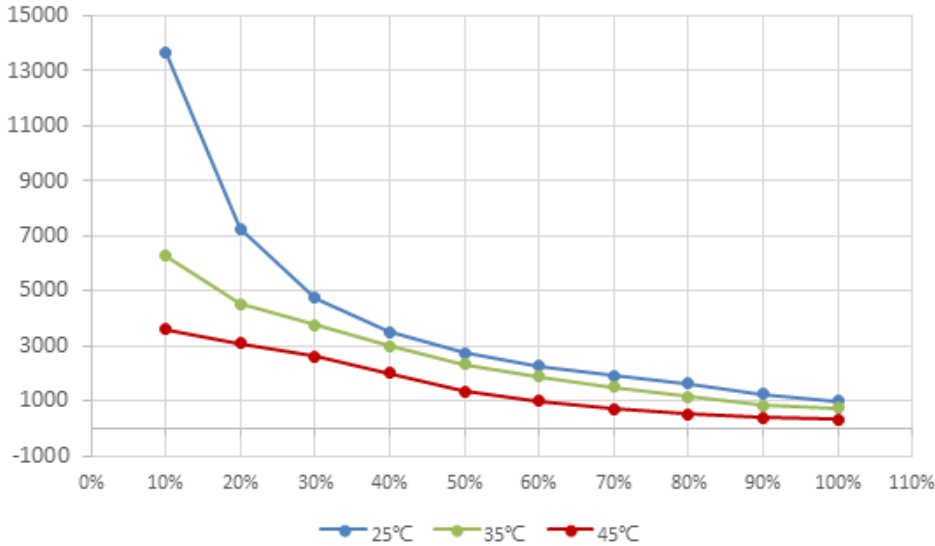
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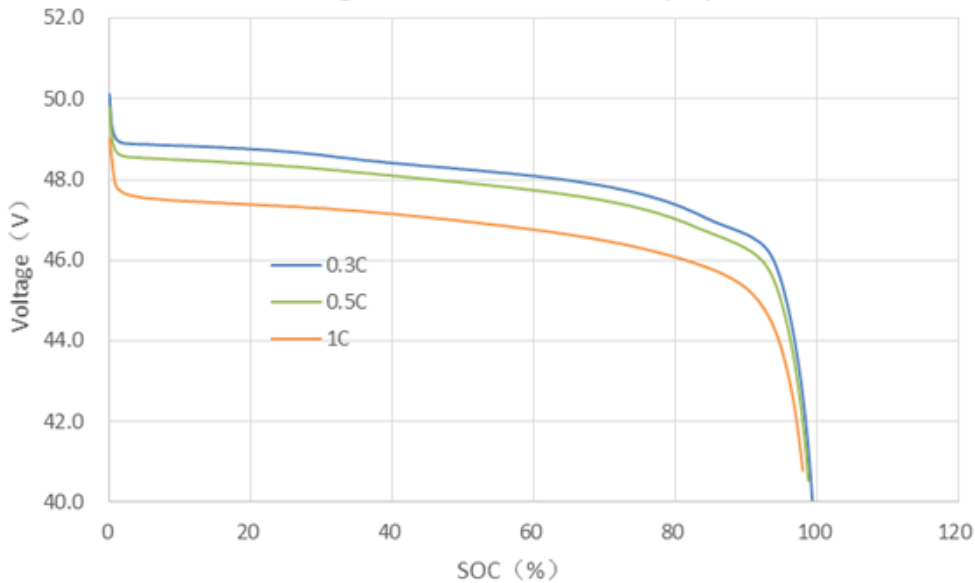
## Battery Cycle Life at different DOD

Battery cycle life at different DoD



## Discharge Curves

Rate Discharge Curve of 48V Battery System



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