

# LP-160S100-200L

51.2KWh Energy Storage support 1C 100A Discharge

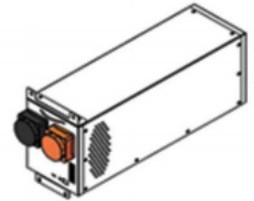
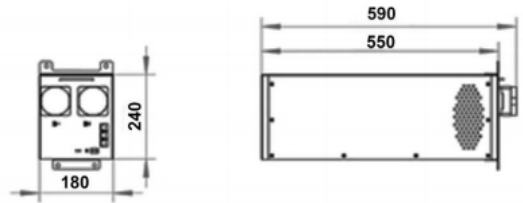


- ⚡ **Superior Performance and Reliability :** experience Top-tier Performance and consistent Reliability for UPS and Data Centers
- ⚡ **Effortless Accessibility :** front-facing Connectors for simplified Access to Installation and Maintenance
- ⚡ **Power and Precision :** 51.2kWh Cabinet with Switchgear and 20 Battery Modules delivers both Power and Precision
- ⚡ **Intelligent Battery Management :** each Module is precisely connected to eight Series of 100Ah, 3.2V Cells, complemented by a dedicated BMS equipped with Cell Balancing Capabilities
- ⚡ **Custom Compatibility :** enable Customization for Compatibility with various UPS Brands and Models

# TECHNICAL SPECIFICATIONS

## Rack Specification

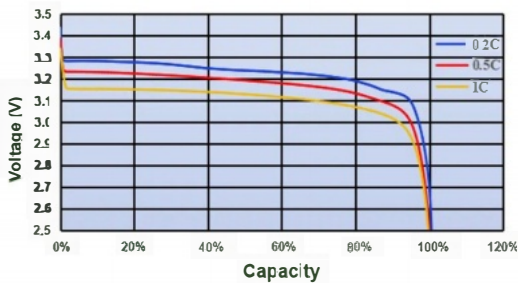
Voltage Range	430V-576V
Charge Voltage	550V
Cell	3.2V100Ah
Series & Parallels	160S1P
Number of Battery Module	20
Rated Capacity	100Ah
Rated Energy	51.2kWh
Max Discharge Current	100A
Peak Discharge Current	150A/10S
Max Charge Current	100A
Max Discharge Power	51.2kW
Output Type	P+/ P- or P+/N/ P- by request
Dry Contact	Yes
Display	7 inch
System Parallel	Yes
Communication	CAN/RS485
Short-Circuit Current	5000A
Cycle life @25°C 1C/1C DoD100%	> 3000
Operation Ambient Temperature	0°C-35 °C
Operation Humidity	65±25%R.H.
Operation Temperature	Charging: 0 °C~55°C ischarging: -20°C~65°C
System Dimension	800mm X 700mm X 1950mm
Weight	630kg



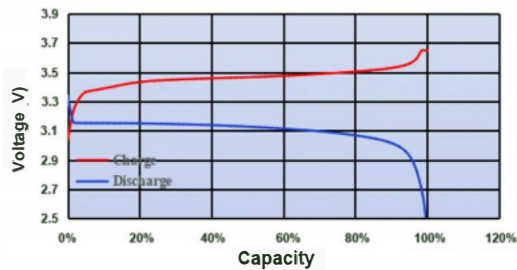
## Performance Data

Time	60min	90min	120min
Constant Power	2320kW	1536kW	1160kW
Constant Current	100A	66A	50A

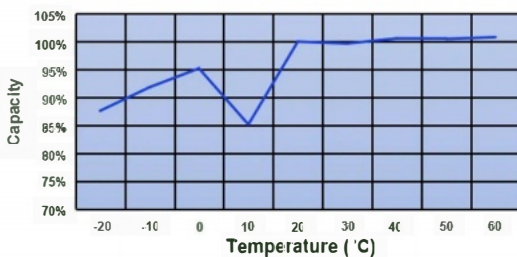
Discharge Performance at 25°C



Charge and Discharge at 25 °C, 1C



Temperature effects on capacity at 1C



1C discharge and 0.5C Charge

