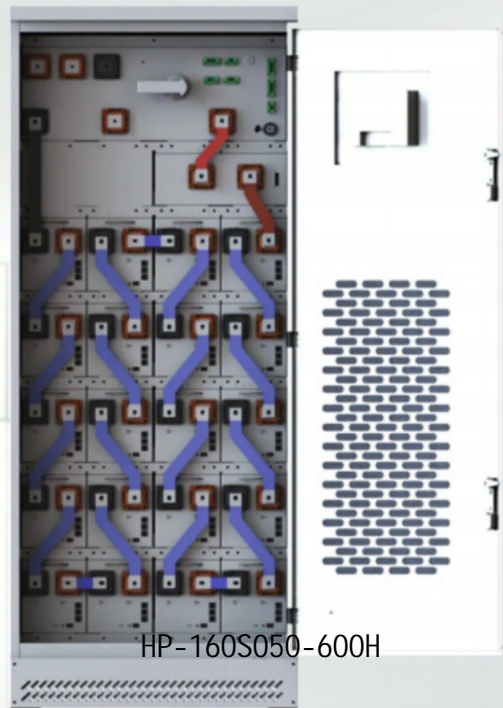


# HP-160S050-600H

25.6kWh Energy Storage support 10C 500A 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 :** 25.6kWh Cabinet with Switchgear and 20 Battery Modules delivers both Power and Precision
- ⚡ **Intelligent Battery Management :** each Module is precisely connected to eight Series of 50Ah, 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

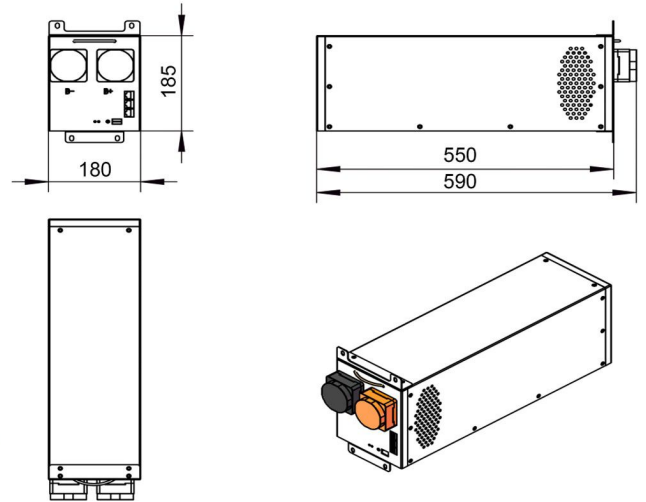
# TECHNICAL SPECIFICATIONS

## Rack Specification

Voltage Range	430V-576V
Charge Voltage	550V
Cell	3.2V50Ah
Series & Parallels	160S1P
Number of Battery Module	20(default) , others by request
Rated Capacity	50Ah
Rated Energy	25.6kWh
Max Discharge Current	500A
Peak Discharge Current	600A/10s
Max Charge Current	50A
Max Discharge Power	215kW
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%	> 2500
Operation Ambient Temperature	0°C-35°C
Operation Humidity	65±25%R.H.
Operation Temperature	Charge: 0°C~55°C Discharge: -20°C~65°C
System Dimension	800mm X 700mm X 1800mm
Weight	450kg



Battery Module Exterior

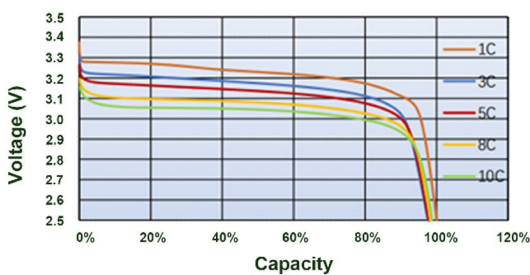


Battery Module Dimension

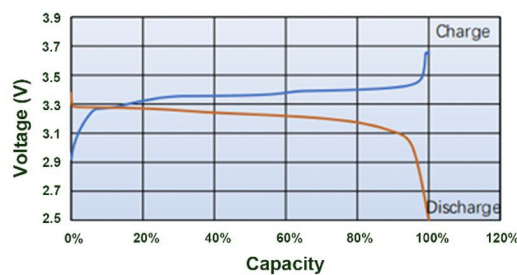
## Battery Module Performance Data

	5min	10min	15min
Constant Power	10.75kW	6.9kW	4.8kW
Constant Current	463A	298A	209A

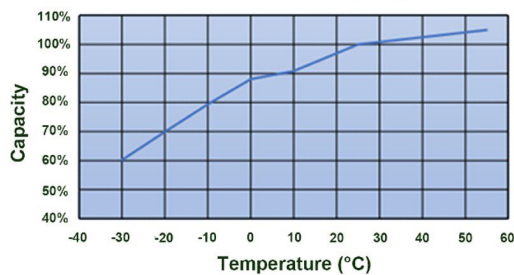
Discharge Performance at 25°C



Charge and Discharge at 25°C, 1C



Temperature effects on capacity at 1C



Cycle life at 25°C  
6C discharge and 3C charge

