manlydynasty
BATTERY COMPANY

深圳市万利兴科电子有限公司
SHENZHEN MANLY BATTERY CO.,LTD

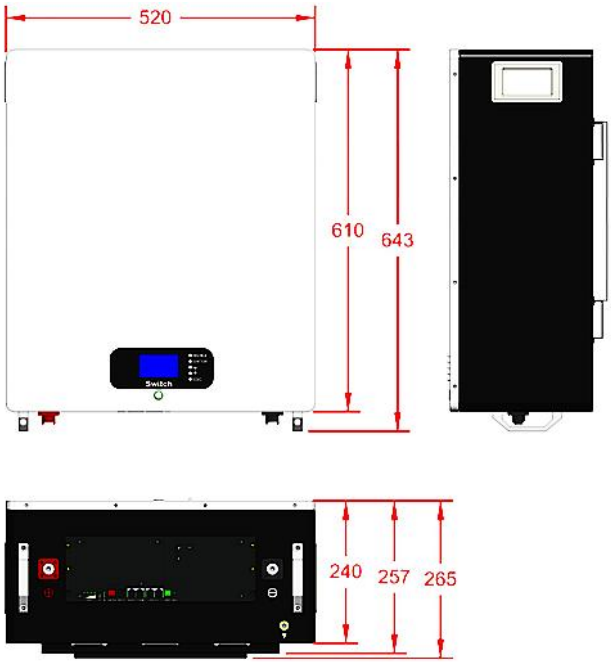
10kWh battery energy storage system-wall mounted

Feature:

- Long service life of more than 10 years.
- Modular design, small size and light weight.
- Support high current charging and discharging.
- Optional RS485, RS232, CAN communication.
- Easy to operate, easy to install and maintain.

Applications:

- Home energy storage
- Commercial energy storage
- Base station energy storage
- Photovoltaic energy storage



For reference only, the actual product shall prevail.

Battery System Parameters:

Specifications	51.2V 200Ah-Wall Mount
Rated voltage	51.2V
Rated Capacity	200Ah
Minimum capacity	≥195Ah
Recommended charging voltage	57.6V
Standard charging current	40A
Maximum charging current	100A
Standard discharge current	40A
Maximum discharge current	100A
Under-voltage protection	Total voltage≤42.4V or single string voltage≤2.6V
	Release method: voltage ≥ 2.95V/string or charging current ≥ 1A
Over-voltage protection	Total voltage≥58.4V or single string voltage≥3.65V
	Release method: voltage≤3.45V/string
Charge over-current protection	110±10A(enter current limit mode after charging over-current, current limit 10A)
Discharge over-current protection	110±10A（≤1s） 125±10A（≤100ms）
Low temperature protection	Charging protection -10±5℃, recovery temperature -1±5℃ Discharge protection -20±5℃, recovery temperature -10±℃

10kWh battery energy storage system-wall mounted

High temperature protection	**Charging protection 65±5℃, recovery temperature 55±5℃** **Discharge protection 65±5℃, recovery temperature 60±5℃**
Short circuit protection	**500±100A, delay ≤350μS**
Cycle life	**≥4000 times**
Communication method	**RS232/RS485-1/CAN/RS485-2,** **1. RS232 is use for PC communication,** **2. RS485-1/CAN is used for communication with the inverter** **3. RS485-2 is used for communication with the battery pack**
Storage temperature	**10-35℃, ≤8 months** **10-45℃, ≤3 months** **-20-65℃, ≤7 days**
Weight	**90±2kg**
Size	**643*520*265mm**