

Specification of Household Energy Storage battery



U-P5000
Lithium Battery

Function

- a) Overvoltage protection;
- b) Undervoltage protection;
- c) short-circuit protection;
- d) Low temperature charge protection;
- e) High temperature charge protection;
- f) Low temperature discharge protection;
- g) High temperature discharge protection;
- h) Charge over-current protection;
- i) Discharge over-current protection;
- j) Dormancy function;
- k) RS485 communication;
- l) CAN communication.
- m) RS232 communication

| Datasheet | U-P5000 |
|---|---|
| Basic parameter | |
| Rated Voltage | 51.2V |
| Nominal capacity | 96.6Ah 4.95kWh |
| Size | |
| Height | 222.6mm |
| Width | 442mm |
| Length | 512mm |
| Weight | about 50.88kg |
| Electrical parameter | |
| Charge mode | CC/CV/CP |
| Max.Charge Current ¹⁾ | 80A |
| Charging cut-off voltage | 57.4V |
| Discharge mode | CC/CP |
| Discharging cut-off voltage | 44.8V |
| Max.Discharge Current ²⁾ | 150A |
| Peak Discharge Current ³⁾ | 350A(100ms) |
| ENVIRONMENT | |
| Humidity | 5% to 95% Relative Humidity (Non-condensing) |
| Operating Temperature | Charge: 0~+50°C/Discharge: -20~+55°C |
| Storage Temperature | -20~+45°C (three months) / -20~+25°C (one year) |
| Shipment status | Voltage: 52V~54V SOC: 60%~80% |
| Warranty | |
| 10 years warranty, > 6000 cycles life | |
| All information contained in this document is subject to change without notice. | |
| 1)For better battery life cycles,we suggest charge in 43A(0.5C @25°C) | |
| 2)For better battery life cycles,we suggest discharge in 43A(0.5C @25°C) | |
| 3)Peak Current excludes repeated short duration (less than 100ms) of current pattern. | |