

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℃/Discharge: -20~+55℃
Storage Temperature	-20~+45℃ (three months) / -20~+25℃ (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℃)	
2)For better battery life cycles,we suggest discharge in 43A(0.5C @25℃)	
3)Peak Current excludes repeated short duration (less than 100ms) of current pattern.	