GREENRICH
LIGHT UP AFRICA

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.