

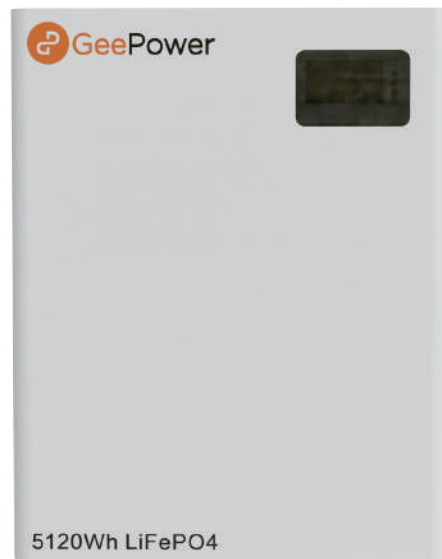
SPECIFICATION SHEET

LUNA A SERIES

1

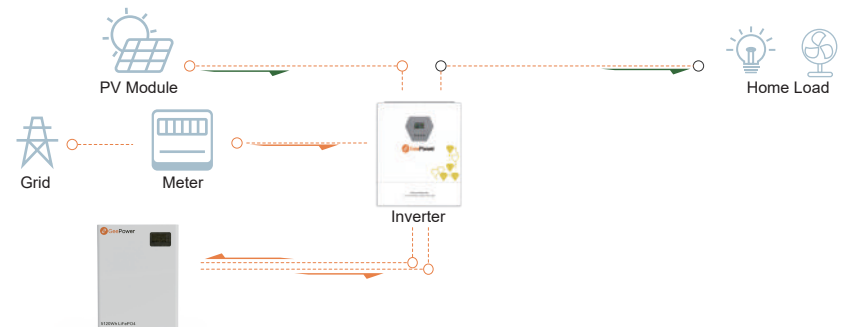
PRODUCT PRESENTATION

Home ESS refers to the storage of electricity locally by household energy storage equipment for later use. ESS consists of energy storage batteries inverters and other components. We use brand new A-grade LiFePo4 battery, equipped with an intelligent battery management system for charging and discharging cycles. The inverter converts DC energy to AC energy to meet the requirements for household electricity. Normally this product is installed in combination with PV system to provide green electricity to household users, reduce energy consumption, and reduce negative impacts on the environment. It's widely used in remote areas or areas with unstable power supply, to provide reliable, stable, and cost-effective energy supply.



WORKING DIAGRAM

2



PRODUCT FEATURES

- Original patent design
- Multi-protection from self developed BMS
- Brand new battery for 6000 times cycle life

PRODUCT DIMENSION

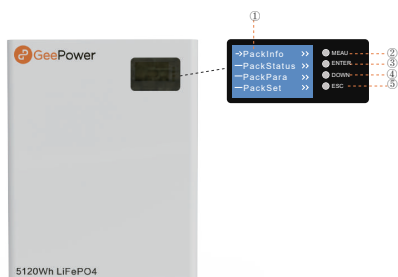
W:21.2cm



OPERATION FUNCTION

3

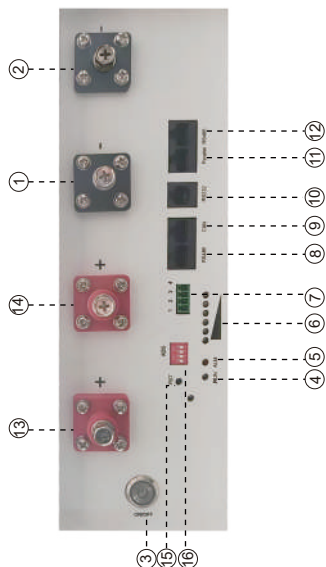
Battery LCD Screen



NO. Instruction

①	LCD screen
②	MENU
③	ENTER
④	DOWN
⑤	ESC

Battery Interface



No. Interface Instruction

①	Negative 1-
②	Negative 2-
③	ON/ OFF
④	Operation Indicator
⑤	Alarm Indicator
⑥	Charging Indicator
⑦	Dry Contact
⑧	RS485-1 Communication Port
⑨	CAN Communication Port
⑩	RS232 Communication Port
⑪	Parallel Communication Port
⑫	RS485-2 Communication Port
⑬	Positive 1+
⑭	Positive 2+
⑮	Reset Button
⑯	Dip Switch

PRODUCT PARAMETER

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Battery

Model	GPLU-A-51.2-100
Rated Energy	5120Wh
Rated Capacity	100Ah
Nominal Voltage	51.2V
Discharge Voltage Range	43.2V-58.4V
Standard Charging Current	50A
Max Charging Current	100A
Max Discharging Current	100A
Depth of Discharge	90%
Communication Interface	CAN/RS485
Cycle Life	≥6000, 25±2 C, 0.5C, EOL80%
Working Temperature Range	Charge:0 C-50 C; Discharge: -10 C-60 C
Working Temperature Range	-20 C-60 C
Dimension	42.5*53.3*21.2cm

PACKING DETAILS



Storage Battery*1



Back Bracket*1



Screw Pack*1



1.25m 6AWG Silicon Bronze Cable*2



1m Communication Cable

Name	Item NO	Components	CNT	Carton Size	N.W (kg)	G.W (kg)	Unit CBM (m³)
LUNA-A 5kW SERIES	GPLU-A 51.2-100	Battery;Back Bracket; Screw Pack;AC Cable Communication Cable	1	60.5*50*38CM	47.5	56.5	0.115