

SPECIFICATION SHEET

ATHENA A SERIES

1



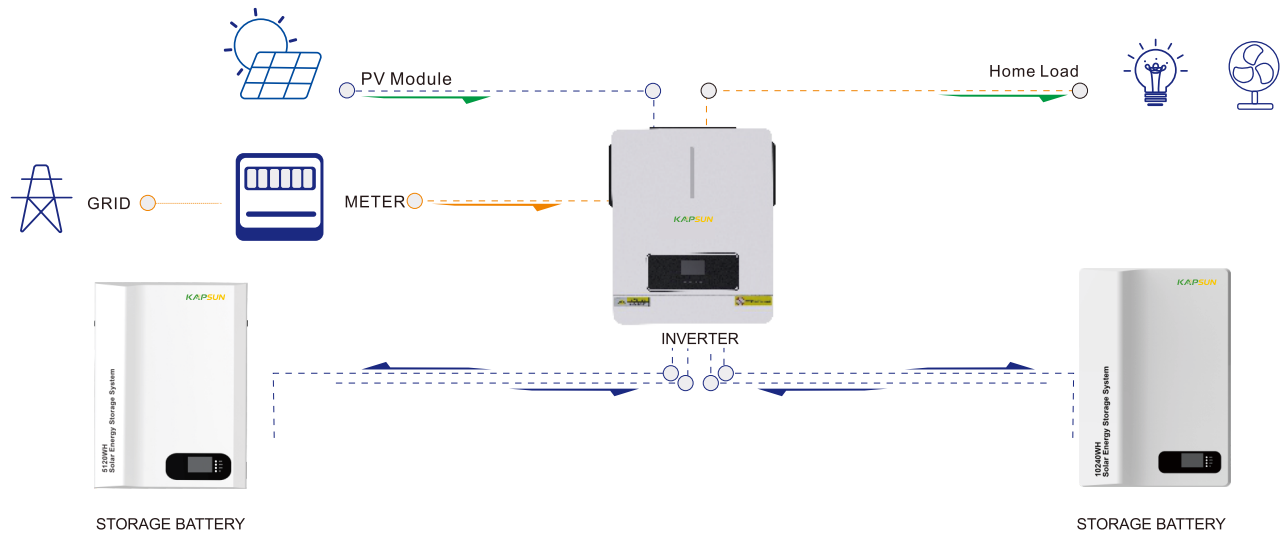
PRODUCT PRESENTATION

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

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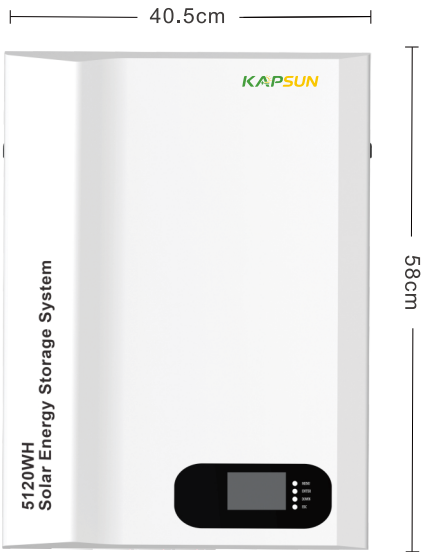
PRODUCT FEATURES

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

PRODUCT DIMENSION

W:18.5CM

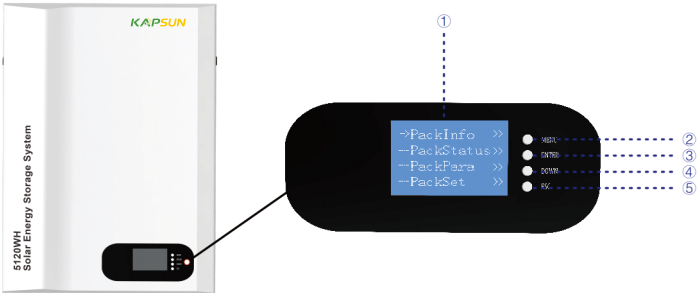
W:27.5CM



OPERATION FUNCTION

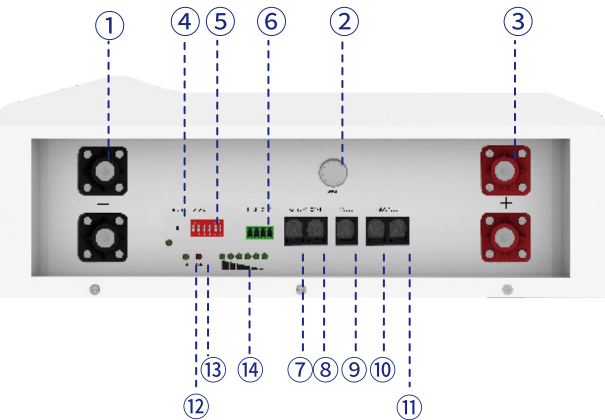
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Battery LCD Screen



No.	Instruction
①	LCD Screen
②	MENU
③	ENTER
④	DOWN
⑤	ESC

Battery Interface



No.	Instruction
①	Negative
②	ON/OFF
③	Positive
④	Reset Button
⑤	Dip Switch
⑥	Dry Contacts
⑦	RS485-1 Communication Port
⑧	CAN1 Communication Port
⑨	RS485-2 Communication Port
⑩	CAN2 Communication Port
⑪	RS485-2 Communication Port
⑫	Operation Indicator
⑬	Alarm Indicator
⑭	Charging Indicator

PRODUCT PARAMETER

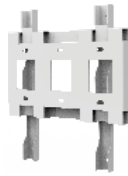
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	Model	SCAE-A-51.2-100	SCAE-A-51.2-200 (BMS 100A)	SCAE-A-51.2-200 (BMS 200A)	SCAE-A-25.6-100	SCAE-A-25.6-200
	Rated Capacity	5120Wh(100Ah)	10240Wh(200Ah)	10240Wh(200Ah)	2560Wh(100Ah)	5120Wh(200Ah)
	Nominal Voltage	51.2V			25.6V	25.6V
	Discharge Voltage Range	43.2V-58.4V			21.6V-29.2V	
	Standard Charing Current	50A	50A	100A	50A	50A
	Max Charging Current	100A	100A	200A	100A	100A
	Max Discharging Current	100A	100A	200A	100A	100A
	Depth of Discharge	95%				
	communication intertace	CAN/RS485				
	Cycle Life	≥6000, 25±2℃, 0.5C, EOL80%				
	Working Temperature Range	Charge: 0℃-50℃; Discharge: -20℃-60℃				
	Storage Temperature	-10℃-60℃				
	Dimension	40.5*18.5*58cm	43.5*28*63cm	43.5*28*63cm	36*19.5*42cm	40.5*18.5*58cm

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)
ATHENA SERIES 5KWH	SCAE-A-51.2-100	Battery;Back Bracket;Scew Pack; DC Cable Communication Cable	1	65*45*24CM	46.8	49.3	0.068
ATHENA SERIES 10KWH	SCAE-A-51.2-200	Battery;Back Bracket;Scew Pack; DC Cable Communication Cable	1	70*50.5*45CM	86.7	101.3	0.159