

SPECIFICATION SHEET

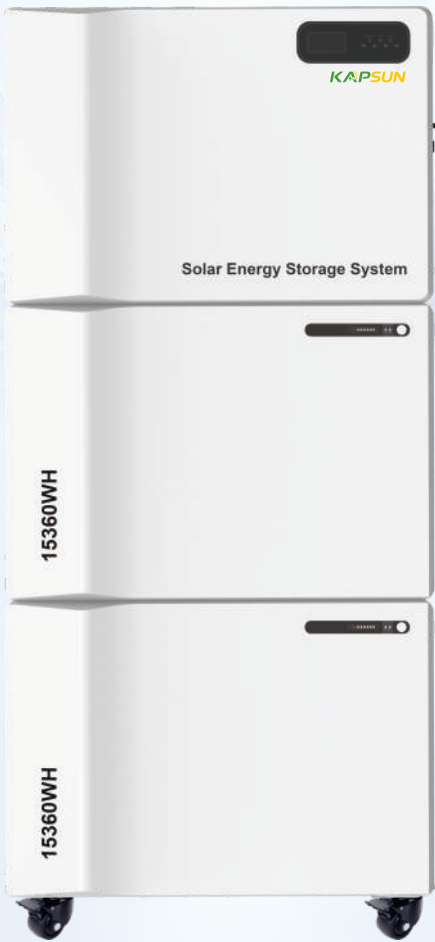
APOLLO INVERTER WITH ESS C SERIES (EU VERSION AC230V)

PRODUCT PRESENTATION



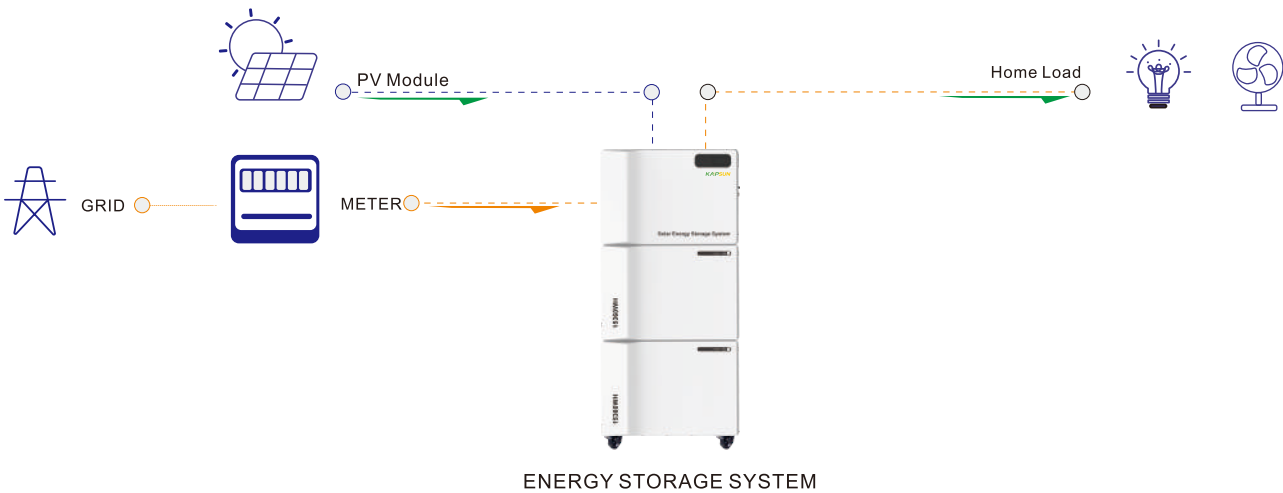
Home ESS refers to the storage of electricity locally by household energy storage equipment for later use. ESS consists of energy storage batteries, inverters and other components.

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.



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WORKING DIAGRAM

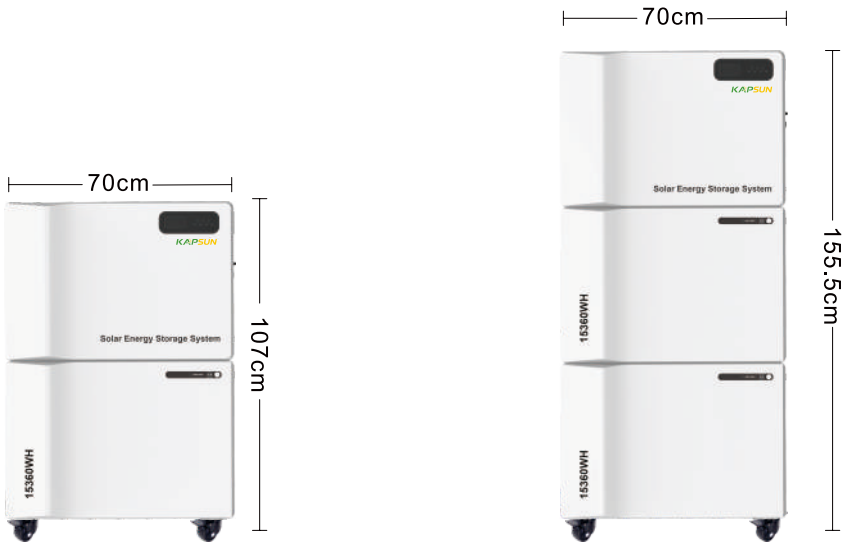


PRODUCT FEATURES

- Private design, modular arbitrary stacking, automatic dialing, convenient installation and wire free.
- Inverter and controller integrated, multiple protections. MPPT maximum current over 100A
- Full power pure sine wave. stable discharge waveform better protection for household appliances.
- Famous brand BMS, compatible with most inverters in the market.
- Brand new A grade LiFePo4, 8000 times cycle life, Lifespan up to 10 years.
- Intelligent LCD display, LED indicator light, real-time monitoring of operating data.
- Support RS485 and CAN communication ports.

PRODUCT DIMENSION

W:26CM

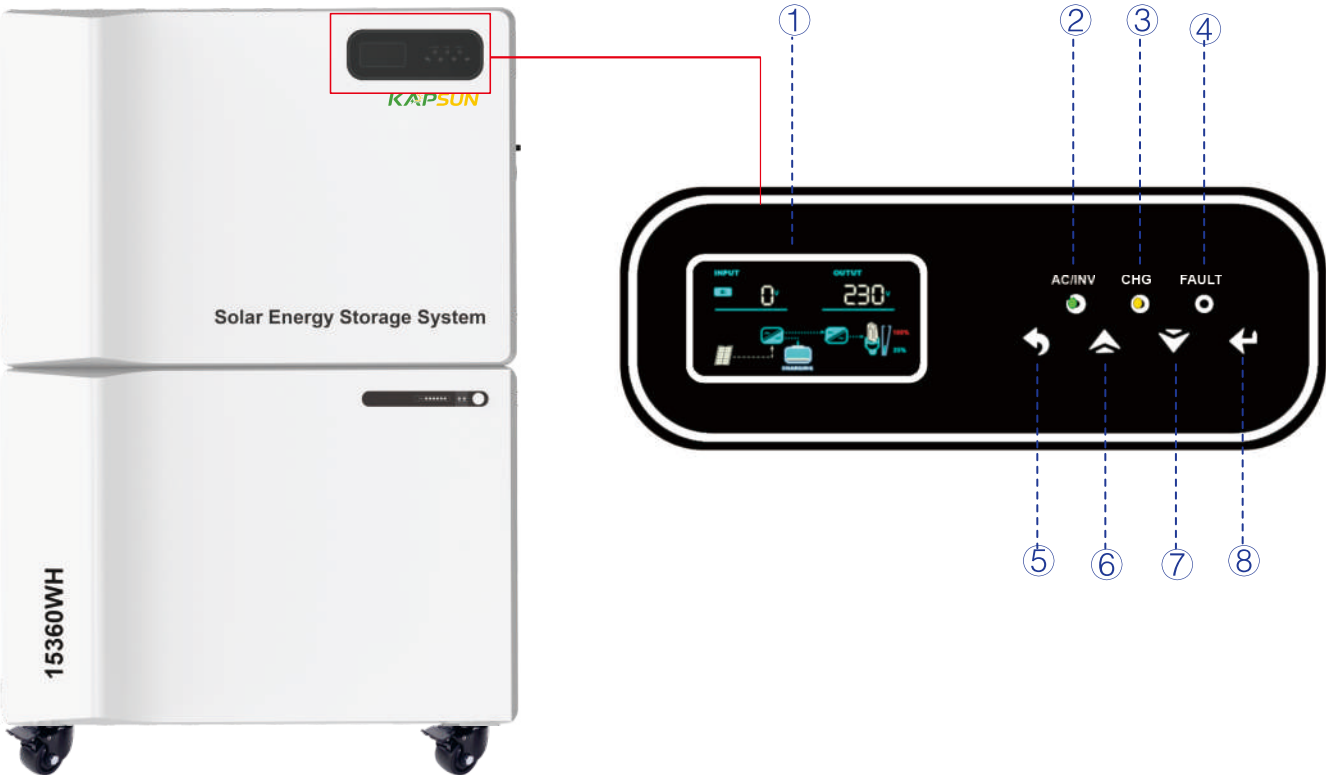


2

OPERATION FUNCTION

3

Inverter LCD Screen



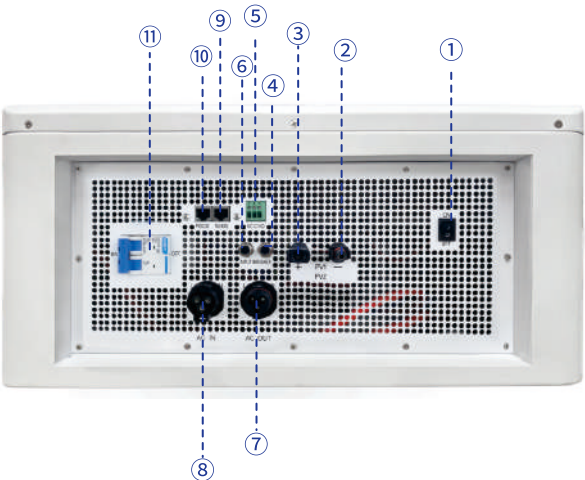
NO.	Name	Instruction
①	LCD Screen	Display system operation data
②	Status Indicator	Always on: grid mode,output from AC Flash: battery mode,output from battery or PV
③	Charging Indicator capacity	Always on: battery fully charged Flash: battery charging
④	Fault Indicator	Always on: Inverter failure Flash:Inverter warning
⑤	ESC	ESC Mode
⑥	UP	Back to last option
⑦	Down	Turn to next option
⑧	Confirm	Confirm a selection in setup mode or enter setup mode

OPERATION FUNCTION

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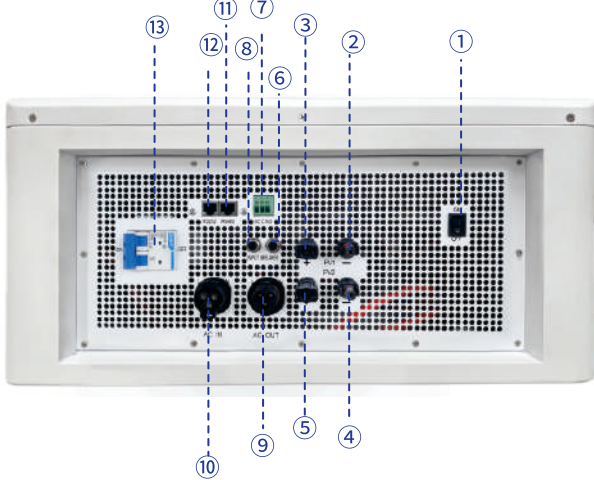
Remark: Inverter Terminal Instruction

6.2KW

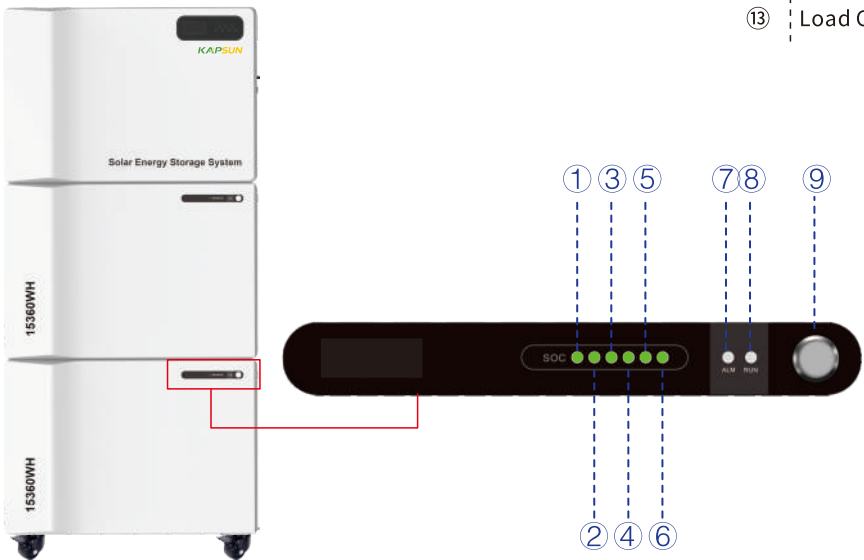


NO.	Interface Instruction
①	Inverter Switch
②	PV1-
③	PV1+
④	Overload Protection Reset Button
⑤	Dry contact C,common contact
⑥	Overload Protection Reset Button
⑦	AC OUT
⑧	AC IN
⑨	BMS communication port RS485
⑩	Inverter communication port RS232
⑪	Load Circuit Breaker (AC OUT)

11KW



NO.	Interface Instruction
①	Inverter Switch
②	PV1-
③	PV1+
④	PV2-
⑤	PV2+
⑥	Overload Protection Reset Button
⑦	Dry contact C,common contact
⑧	Overload Protection Reset Button
⑨	AC OUT
⑩	AC IN
⑪	BMS communication port RS485
⑫	Inverter communication port RS232
⑬	Load Circuit Breaker (AC OUT)



NO.	Port Instruction
①	0%-16.6% capacity
②	16.6%-33.2% capacity
③	33.2%-49.8% capacity
④	49.8%-66.4% capacity
⑤	66.4%-83% capacity
⑥	83.0%-100% capacity
⑦	Warning Light
⑧	Running Light
⑨	Battery Switch

PRODUCT PARAMETER

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Inverter



AC Input



PV Input

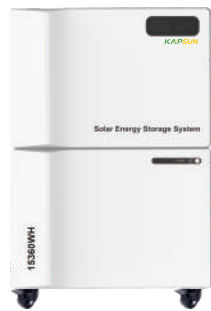


Battery

Model	SCAP-C-51.2-300 (6.2KW)	SCAP-C-51.2-300 (11KW)	SCAP-C-51.2-600 (11KW)
Rated Power	6.2KW	11KW	11KW
AC Rated Voltage	230VAC		
Rated Frequency	60Hz		
Efficiency	>98%		
Transfer Time	10ms		
Waveform	Pure sinusoidal wave		
Battery Overvoltage	58.4V		
Battery Undervoltage Alarm	45V		
Constant Voltage Charge	58.4V		
Float Voltage	56V		
Max Charging Current	120A	150A	
Communication Interface	RS232(Inverter)/RS485(BMS)		
Dimension	70*26*51CM		
Nominal Voltage	230VAC		
Voltage Range	90-280VAC		
Rated Frequency	50/60Hz		
Frequency Range	40-70Hz		
Rated Current	30A	60A	60A
Max AC Current	60A	120A	120A
Max Voltage	500V		
Optimum Voltage	300-400V		
Voltage Range	120v-500VDC		
Max Power	8500W	11000W	11000W
Rated Capacity	15360Wh (300Ah)	15360Wh (300Ah)	30720Wh (600Ah)
Nominal Voltage	51.2V		
Discharge Voltage Range	43.2V-58.4V		
Standard Charing Current	100A		
Max Charging Current	200A		
Max Discharging Current	200A		
Depth of Discharge	95%		
Communication Interface	CAN/RS485		
Cycle Life	≥8000, 25±2℃, 0.5C, EOL80%		
Working Temperature Range	Charge: 0℃-50℃; Discharge: -20℃-60℃		
Storage Temperature	-10℃-60℃		
Dimension	70*26*51CM		

Packing List & Transportation
Packing Details

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6.2KW



Inverter*1



11KW



Inverter*1

 Storage Battery*2	 MC4 Connector*2	 Storage Battery*2	 AC aviation plug	 MC4 Pin*4
	 MC4 Pin*2		 MC4 Connector*4	 DC Fuse*2
	 Universal Wheel		 Screws	 Connector Clip
	 AC & GND Pin*6		 AC aviation plug	 AC & GND Pin*6

Name	Item No	Components	CNT	Carton Size	N.W (Kg)	G.W (Kg)	Unit CBM (m³)	Total CBM (m³)
APOLLO C Series 15KWH	SCAP-C-51.2-300(5.5KWh)	Inverter	1	75.8*56.3*31.6CM	24.5	27	0.135	0.135
		Battery	1	76*60*42CM	110.8	128.3	0.192	0.192
APOLLO C Series 15KWH	SCAP-C-51.2-300(11KWh)	Inverter	1	75.8*56.3*31.6CM	33	35	0.135	0.135
		Battery	1	76*60*42CM	110.8	128.3	0.192	0.383
APOLLO C Series 30KWH	SCAP-C-51.2-600(11KWh)	Inverter	1	75.8*56.3*31.6CM	33	35	0.135	0.135
		Battery	1	76*60*42CM	110.8	128.3	0.192	0.383