52Ah Sodium-ion Battery

Compatible with most UPS systems,fast charge capability,Stable discharge voltage platform
Suitable for high-frequency UPS switching,Long lifespan vs lead-acid replacement
Lower thermal runaway risk vs lithium-ion
Application Scenarios
UPS backup systems
Data centers
Telecom backup power
Industrial emergency power
Renewable energy backup

Benefits of Lithium

Better performance at low temperatures
Higher safety (non-lithium chemistry)
Lower cost potential vs lithium-ion
Wide operating temperature range
No cobalt / nickel



Certifications and standards a.Products

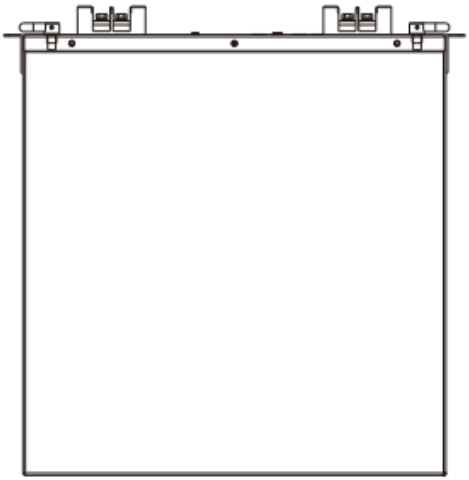
UL1642(cells) FCC
UN38.3
IEC standards (if applicable)
ISO9001
ISO14001
ISO45001

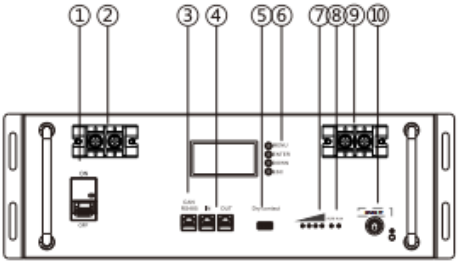
Specifications

Nominal Characteristic	
Battery Type	Sodium-ion (Na-ion)
Nominal Voltage	36V
Battery cell	6V 6S
Nominal Capacity	52Ah
Nominal Energy	1872Wh
Application	UPS / Backup Power / Industrial Power
Configuration	12S (Typical)
Operating Voltage Range	30V – 43.8V
Standard Charge Voltage	43.8V
Discharge Cut-off Voltage	30V
Standard Charge Current	0.2C (10.4A)
Max Charge Current	0.5C (26A)
Standard Discharge Current	0.5C (26A)
Max Continuous Discharge	1C (52A)
Peak Discharge Current	2C (104A, ≤5s)

Host soft operation

Switch on/off





- Please turn on the air switch on the top of the product
- When the BMS is in the sleep state, press the weak current switch for 2~5 seconds and release it. The BMS is activated and the LED indicator lights are turned on in turn.
- When the BMS is active, press the weak current switch for 2~5 seconds and release it. The BMS is dormant. The LED indicator flashes for 5~10 seconds and then goes out

XGW Tech

LED Indicator light Status Description

LED Indicator light Status Description												
PACK Status	PACKInformation	Display Logic								Remark	Duration
		SOC					ON/OFF	RUN	ALM		
		LED1	LED2	•••	LED19	LED20	LED21	LED22	LED23		
Application mode check	Parallel or single application mode check successful	Display based on actual SOC					●	★	★	Flashes 5 times	2S
	Wait for power cycle to dynamically merge PACK	Display based on actual SOC					●	★	★	1HZ	
Charge	0%-5% SOC	■					●	●		/	
	5%-10% SOC	■	■				●	●		/	
	...	■	■	■			●	●		/	
	95%-100% SOC	■	■	■	■	■	●	●		/	
Discharge	95%-100% SOC	●	●	●	●	●	●	●		/	
	...	●	●	●			●	●		/	
	5%-10% SOC	●	●				●	●		/	
	0%-5% SOC	●					●	●		/	
ALM	Level 3 or above fault	Display based on actual SOC					●		●	Check the Bluetooth APP for detailed fault content.	
RUN	Normal operation	Display based on actual SOC					●	●		Check the Bluetooth APP for detailed fault content.	
Shut down	/	/	/	/	/	/	★			LED depending on the previous status, blink 2 times, then shutdown	
Click	Show PACK ID						Closure			Returnafter 10s	

Remark :

★ : Blue LED Blink

● : Blue LED On

■ : Blue LED flash display

★ : Red LED Blink

● : Red LED On

*The LEDS switch can be controlled by soft key

Note: LED indicator alarm can be enabled or disabled through the upper computer.
It is enabled by factory default.