

PV 9200

8 Kilowatts Inverter



This is multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterrupted power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button such as battery charging current, AC/Solar Charger priority, and acceptable input voltage based on different applications.

Mobile Application Support

Fronus Solar



Battery Percentage Monitoring

Solar Load Optimization

Grid Usage Monitoring

Battery Consumption Analysis

Solar Generation Insights

Analysis Chart

PRODUCT SPECIFICATIONS



Compatible With Lithium ion Battery

Battery Compatibility

Experience seamless energy integration with our cutting-edge solar inverter, purposefully designed for perfect compatibility with lithium-ion batteries. Unlock optimal efficiency and performance while harnessing solar power and storing it effortlessly.



RGB Lights

RGB Lights for Aesthetics

Elevate your solar experience with a touch of innovation — our solar inverter features captivating RGB lights. Seamlessly combining functionality and aesthetics, the inverter adds a vibrant visual dimension to your energy setup. Monitor your system with a colorful twist.



Dual Smart & Main Load

Can Manage Dual Load

Empower your energy choices with our advanced solar inverter, putting you in control of both smart devices and essential main loads. Seamlessly manage power distribution, toggling between smart technologies and critical appliances effortlessly.



Touch Screen

Touch Screen LCD

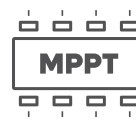
Experience energy management at your fingertips with our solar inverter's intuitive touch screen. Seamlessly navigate settings, monitor performance, and optimize energy usage with a simple touch. Elevate your solar journey with user-friendly control and real-time insights.



Work With & Without Battery

Can work without battery

Adapt to every energy scenario with our versatile solar inverter, functioning seamlessly with or without a battery. Harness solar power to the fullest, optimizing consumption when the sun shines, and effortlessly storing excess energy when needed.



Upgraded MPPT

We upgrade our inverter's MPPT

Introducing the latest innovation: our solar inverter now features an upgraded MPPT for unparalleled efficiency. Capture more energy from your solar panels with advanced Maximum Power Point Tracking technology, ensuring optimal performance in varying conditions.



Anti Dust Kit

Built In Anti Dust Kit

Discover our revolutionary Anti Dust Kit, tailor-made to bolster the performance of your solar inverter. Crafted for seamless integration, this kit utilizes advanced filters and shielding to fend off dust and debris from compromising vital components.



Pure Sine Wave

Pure Sine Wave Output

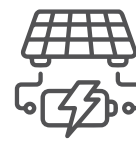
Experience energy excellence with our solar inverter boasting a pure sine wave output. Delivering clean and stable power, it ensures compatibility with sensitive electronics and appliances. Enjoy a seamless energy transition that prioritizes performance and safeguards your devices.



Wifi Controller

Control Remotely With Wifi

Stay connected to your energy future with our solar inverter equipped with WiFi control. Effortlessly manage and monitor your system remotely, optimizing energy usage and tracking performance from anywhere. Embrace the convenience of smart energy management.



160A Max PV Charging

Can Charge Upto 160A

Unlock high-performance solar charging with our inverter's remarkable 160A Max PV Charging capability. Harness the sun's potential to the fullest, rapidly charging your energy storage system. Experience enhanced energy capture and storage with our solar inverter.

PRODUCT DATA SHEET

Phase	1-Phase	PV Input(DC)	
Maximum PV Input Power	9200W	Maximum DC Voltage	500VDC
Rated Output Power	8200W/8200VA	MPPT Voltage Range	90VDC-450VDC
Maximum Solar Charging Current	160 Amp	Number of MPPT Trackers / Maximum Input Current	1/23A
Grid-Tie Operation		Battery Mode Output(AC)	
PV Input(DC)		Nominal Output Voltage	220/230/240VAC
Nominal DC Voltage / Maximum DC Voltage	360VDC/500VDC	Output Waveform	Pure Sine Wave
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC	Efficiency(DC to AC)	94%
MPPT Voltage Range	90VDC~450VDC	Battery & Charger	
Number of MPPT Trackers Maximum Input Current	1/23Amp	Nominal DC Voltage	48VDC
Grid Output(AC)		Maximum Solar Charging Current	160A
Nominal Output Voltage	220/230/240VAC	Maximum AC Charging Current	140A
Output Voltage Range	195~253VAC	General	
Nominal Output Current	35.6A	Maximum Energy	200 Amp
Power Factor	>0.99	Physical	
Feed-in Grid Frequency Range	49-51 +-1Hz	Dimensions D x W x H(mm)	420*310*110
Efficiency		Cartoon Dimensions D x W x H(mm)	588*463*205
Maximum Conversion Efficiency(DC/AC)	98%	Weight	
Two Load Output Power		Net Weight (KG)	14.2
Full Load	8200W	Gross Weight (KG)	15.7
Maximum Main Load	8200W	Interface	
Maximum Second Load Upto(Battery Mode)	2733W	Communication Port	RS232/WIFI/Remove LCD/GPRS
Main Load Cutt Off Voltage	44VDC	Environment	
Main Load Return Voltage	52VDC	Operating Temperature	-10~50C
AC Input			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	40A		
Nominal Operating Frequency	50/60Hz		
Surge Power	16400W		