

PV 12200

10.2 Kilowatts Inverter



This is a multi-function off-grid inverter/charger, combining the functions of an inverter, solar charger, and battery charger to provide uninterrupted power in remote areas or where grid power is unavailable. Its intuitive LCD display offers user-configurable settings and easy-to-use buttons for features like battery charging current, AC/Solar priority selection, and acceptable input voltage customization for various applications.

Mobile Application Support

Fronus Solar



Solar Load Optimization

Grid Usage Monitoring

Solar Generation Insights

Analysis Chart

Data settings

Battery Capacity	100.00%
Battery Charging Current	0.00A
Battery Discharge Current	0.00A
Battery Voltage	54.18V
Max Total Charge Current	60.00A
AC Input Frequency	50.20Hz
AC Input Voltage	227.90V
Output Active Power	2.65kW
Output Voltage	220.00V

PRODUCT SPECIFICATIONS



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.



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.



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.



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.



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.



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.

PRODUCT DATA SHEET

Phase	1-Phase	PV Input(DC)	
Maximum PV Input Power	6000W x2	Maximum DC Voltage	500VDC
Rated Output Power	12000VA	MPPT Voltage Range	90VDC-450VDC
Grid-Tie Operation		Number of MPPT Trackers / Maximum Input Current	2/18A
PV Input(DC)		Physical	
Nominal DC Voltage / Maximum DC Voltage	360VDC/500VDC	Dimensions D x W x H(mm)	420*310*110
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC	Cartoon Dimensions D x W x H(mm)	618*463*201
MPPT Voltage Range	90VDC~450VDC	Weight	
Number of MPPT Trackers Maximum Input Current	2/18Amp	Net Weight (KG)	14.2
Efficiency		Gross Weight (KG)	16.0
Maximum Conversion Efficiency(DC/AC)	98%	Interface	
AC Input		Communication Port	RS232/WIFI/Remove LCD/GPRS
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC	Environment	
Acceptable input Voltage Range	90-280VAC or 170-280VAC	Operating Temperature	-10~50C
Maximum AC Input Current	50A		
Nominal Operating Frequency	50/60Hz		
Surge Power	20400W		