



Sun-Prime 4kW Hybrid Solar Inverter



Colored LCD Display



Dual AC Power output



High Inverter Efficiency



Pure Sine Wave Output



Simpler

Plug-and-play connectivity
for seamless system integration



Safer

Comply with international quality standards
tested by TUV,BV,Delora etc.



Great Reliability

Built with industrial-grade
components for long-term stability

ANYTIME, ANYWHERE

REMOTE MONITORING PLATFORM

Monitor system performance in
real-time via smartphone app or
web portal using out advanced
monitoring platform

Sun-Prime Series

For more about Sun-Prime Series Hybrid Solar
Inverter please visit www.sunxpv.com

www.sunxpv.com/shop



HYBRID SOLAR INVERTER

Sun-Prime 4kW

MODEL	SunPrime 4kW
RATED POWER	4000VA/4000W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	8000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	28.2 VDC
Overcharge Protection	27 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	6500w
MPPT Range @ Operating Voltage	60 ~ 500 VDC
Maximum PV Array Operation	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
PHYSICAL	
Dimension, D x W x H (mm)	138 x 330 x 433
Net Weight (kgs)	8
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Prime 6.2kW Hybrid Solar Inverter



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Dual AC Power output



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HYBRID SOLAR INVERTER

Sun-Prime 6.2kW

MODEL	SunPrime 6.2kW
RATED POWER	6200VA/6200W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	12400VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	56.4 VDC
Overcharge Protection	54 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	8500w
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	100A
PHYSICAL	
Dimension, D x W x H (mm)	125 x 312 x 495
Net Weight (kgs)	12
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Prime 11kW Hybrid Solar Inverter



Colored LCD Display



Dual AC Power output



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HYBRID SOLAR INVERTER

Sun-Prime 11kW

MODEL	SunPrime 11kW
RATED POWER	11000VA/11000W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	22000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	56.4 VDC
Overcharge Protection	54 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	13500w
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	150A
Maximum AC Charge Current	150A
Maximum Charge Current	150A
PHYSICAL	
Dimension, D x W x H (mm)	140 x 420 x 533
Net Weight (kgs)	18
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE