



SUNPRO HYBRID SOLAR INVERTER

PV 12000



PV Input
12000W



Max. PV Voltage
500 VDC



120A Solar & AC
Charging Current



MPPT Voltage Range
90~450 VDC



Max PV Input
Current 27A



Built-in
WiFi



Mobile & Web
Monitoring



Output
11kW



2 IN
2 Out



Built-in
Anti-dust Kit



Work With &
Without Battery



Colored LCD
& Touch Buttons



Built-in
BMS



USB
ON-THE GO

HYBRID SOLAR INVERTER

AXPERT ULTRA 8K

- Dual outputs for smart load management.
- Two independent AC power sources connected and switched automatically.
- Built-in current transformer sensor to meet self-consumption application.
- Support external BTS (Battery Temperature Sensor) detection.
- Built-in power status lighting indicators.
- Built-in 2.8" colored LCD with slide operation.
- Built-in Wi-Fi for mobile monitoring and OTA firmware upgrade.
- Supports USB On-the-Go function.
- Reserved communication port for BMS (RS485, CAN-BUS or RS232).
- Support optional GFCI, Rapid shutdown, AFCI detections.
- Parallel operation with 6 units.



MODEL	SUN PRO PV 12000
RATED POWER	11000VA/11000W
PARALLEL CAPABILITY	YES, 6 units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz / 60 HZ (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC +-5%
Surge Power	22000VA
Efficiency (Peak)	93%
Transfer Time	
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	12000W (6000W x 2)
MPPT Range @ Operating Voltage	90 ~450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	27A x 2 (MAX 40A)
Maximum Solar Charge Current	150A
Maximum AC Charge Current	150A
Maximum Charge Current	150A
PHYSICAL	
Dimension, D x W x H (mm)	145 x 438 x 553.6
Net Weight (kgs)	18.4
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 96% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE

Product specifications are subject to change without further notice.