



- Dual output for smart load management
- Two independent AC power sources connected and switched automatically
- Maximum PV input current 27A
- Built-in 2.8" colored LCD with power lighting indicators
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Built-in current transformer sensor to meet self-consumption application
- Battery independent design
- Support external BTS (Battery Temperature Sensor) detection
- Support optional GFCI, Rapid shutdown, AFCI detections
- Built-in Wi-Fi for mobile monitoring and OTA firmware upgrade
- Built-in anti-dust kit
- Parallel operation with 6 units

MODEL	ULTRA 8K	ULTRA 11K
Rated Inverter Power	8000VA/8000W	11000VA/11000W
PARALLEL CAPABILITY	YES, 6 units	
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Computers)	
Frequency Range	90-280 VAC (For Home Appliances)	
	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	16000VA	22000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)	
Waveform	Pure Sine Wave	
BATTERY		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	63 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Power	10000W (5000W x 2)	12000W (6000W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Input Current	27A x 2(MAX 40A)	
Maxmum Solar Charge Current	150A	150A
Maximum AC Charge Current	120A	150A
Maximum Charge Current	150A	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	
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	
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