



On&Off Grid MPPT Solar Inverter



TECHNICAL PARAMETER

NEW MODEL	SUNON-ULTRA 4.2KW	SUNON-ULTRA 6.2KW
Max.PV Power	6200W	6500W
Rated Power	4200W	6200W
Max.Charge Current	120A	120A
BATTERY		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Battery Type	Compatible with GEL, AGM, Lliithium Battery	
GRID INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280VAC(For Personal Computers);90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
Efficiency(AC Mode)	98%	
AC OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%	
Surge Power	8400VA	12400VA
Efficiency (Peak)	93%	
Transfer Time	10ms typical (UPS) ; 20ms typical (Appliances)	
Waveform	Pure sine mave	
DUAL LOADS AC OUTPUT		
Full Load	4200W	6200W
Maximum Main Load	4200W	6200W
Main Load Cut Off Voltage	22VCD	44VCD
Main Load Return Voltage	27VCD	54VCD
SOLAR CHARGER &AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	6200W	6500W
Max. input Current	27A	27A
MPPT Range @ Operating Voltage	90~500VDC	90~500VDC
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Curent	100A	100A
Maximum Charge Curent	140A	120A
PHYSICAL		
Packing Dimension,DXWXH(mm)	555*385*220	555*385*220
Net Weight (kgs)	10.5	11
Communication Interface	USB/RS232/WIFI/GPRS	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

MAIN FEATURES

- Pure sine wave,Hybrid, on/off grid inverter can feed into grid
- Inverter running with or without battery
- Build-in Lithium battery automatic activation
- Build-in 120A MPPT solar charge controller
- High PV input voltage rang (90~500VDC)
- Battery independent design
- User-friendly LCD operation
- Enhanced charging power

Solar System Connection

