

SUNON-ECO 4.2-10.2K Off grid Solar Inverter



TECHNICAL PARAMETER

NEW MODEL	SUNON-ECO 4.2K/24V	SUNON-ECO 6.2K/48V	SUNON-ECO 8.2K/48V	SUNON-ECO 10.2K/48V
Max.PV Power	6200W	6500W	8200W	10200W
Rated Power	4200VA / 4200W	6200VA / 6200W	8200VA / 8200W	10200VA / 10200W
Max.Charge Current	120 A	120 A	160 A	160 A
BATTERY				
Battery Voltage	24 VDC	48 VDC	48 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC	54 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC	63 VDC	63 VDC
Battery Type	Compatible with GEL, AGM, Lithium Battery			
GRID 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)			
Efficiency (AC Mode)	98%			
AC OUTPUT				
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%			
Surge Power	8400VA	12400VA	16400VA	20400VA
Efficiency (Peak)	90% ~ 94%			
Transfer Time	15 ms (For Personal Computers) ; 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
DUAL LOADS AC OUTPUT				
Full Load	4200W	6200W	8200W	10200W
Maximum Main Load	4200W	6200W	8200W	10200W
Maximum Second Load (Battery Mode)	1200W	2100W	2800W	3400W
Main Load Cut Off Voltage	22VDC	44VDC	44VDC	44VDC
Main Load Return Voltage	27VDC	54VDC	54VDC	54VDC
SOLAR CHARGER & AC CHARGER				
Solar Charger Type	MPPT			
Maximum PV Array Power	6200W	6500W	4100W*2	5100W*2
Max. Input Current	27A	27A	27A	27A
MPPT Range @ Operating Voltage	90 ~ 450 VDC	90 ~ 450 VDC	90 ~ 450 VDC	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC			
Maximum Solar Charge Current	120 A	120 A	160 A	160 A
Maximum AC Charge Current	100 A	100 A	140 A	140 A
Maximum Charge Current	120 A	120 A	160 A	160 A
PHYSICAL				
Packing Dimension,D X W X H (mm)	543*394*204	543*394*204	700*510*232	700*510*232
Net Weight (kgs)	9.8	10.5	17.2	19.1
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			
Product specifications are subject to change without further notice.				

MAIN FEATURES

- Pure sine wave Off Grid Hybrid inverter
- Optional Local WIFI&GPRS available for IOS and Andoid
- Inverter running without battery
- Build-in Lithium battery automatic activation
- Build-in 120A/160A MPPT solar charger
- High PV input voltage rang (90~450VDC)
- Dual output L1/L2
- Battery independent design
- User-friendly LCD operation
- Enhanced charging power

Solar System Connection

