

SUNON-ECO 4.2-10.2KVA On&Off Grid MPPT Solar Inverter IP20



MAIN FEATURES

- Pure sine wave, Hybrid on&off inverter can feed to grid
- Optional Local WIFI&GPRS available for IOS and Android
- Inverter running with or without battery
- Build-in Lithium battery automatic activation
- Build-in 120A/160A MPPT solar charge controller
- High PV input voltage rang (90~450VDC)
- Dual output L1/L2
- Battery independent design
- User-friendly LCD operation
- Enhanced charging power

Solar System Connection



TECHNICAL PARAMETER

NEW MODEL	SUNON-ECO 4.2KVA	SUNON-ECO 6.2KVA	SUNON-ECO 8.2KVA	SUNON-ECO 10.2KVA
Max.PV Power	5000W	6500W	8200W	10200W
Rated Power	4200VA	6200VA	8200VA	10200VA
Max.Charge Current	120A	120A	160A	160A
BATTERY				
Battery Voltage	24VDC	48VDC	48VDC	48VDC
Floating Charge Voltage	27VDC	54VDC	54VDC	54VDC
Overcharge Protection	33VDC	63VDC	63VDC	63VDC
Battery Type	Compatible with GEL, AGM, Lithium 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	16400VA	20400VA
Efficiency (Peak)	90%~94%			
Transfer Time	10 ms(For Personal Computers);20 ms (For Home Appliances)			
Waveform	Pure sine mave			
DUAL LOADS AC OUTPUT				
Full Load	4200VA	6200VA	8200VA	10200VA
Maximum Main Load	4200VA	6200VA	8200VA	10200VA
Maximum Second Load (Battery Mode)	1200W	2100W	2800W	3400W
Main Load Cut Off Voltage	22VCD	44VCD	44VCD	44VCD
Main Load Return Voltage	27VCD	54VCD	54VCD	54VCD
SOLAR CHARGER &AC CHARGER				
Solar Charger Type	MPPT			
Maximum PV Array Power	5000W	6500W	5400W*2	5400W*2
Max. input Current	27A	27A	18A	18A
MPPT Range @ Operating Voltage	90~450VDC	90~450VDC	90~450VDC	90~450VDC
Maximum PV Array Open Circuit Voltage	500 VDC			
Maximum Solar Charge Current	120A	120A	160A	160A
Maximum AC Charge Current	100A	100A	140A	140A
Maximum Charge Current	120A	120A	160A	160A
PHYSICAL				
Packing Dimension,DXWXH(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.				