



MPPT |

Pure Sine Wave Solar Inverter (On/Off Grid)

NM-ECO SERIES 3.6 KW | 6.2 KW



Key Features:

- Pure sine wave solar inverter.
- Output power factor 1.0
- Wi-Fi & GPRS available for IOS and android.
- Inverter can run without battery
- One-key restoration to factory settings
- Built-in Lithium battery automatic activation
- Built-in 120A MPPT Solar Charge : Max 6200W(for 3.6KW). Max 6500W (for 6.2KW)
- High PV input voltage range (90-450VDC)
- Built-in anti-dust kit for harsh environment
- Smart Battery Charge desing to optimize battery life
- Dual Output



For Off-Grid User



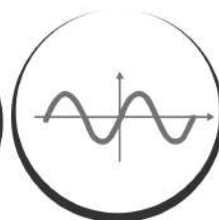
Grid Connection



Wi-Fi Real Time Monitoring Support



Multi Stage Smart Charger Desing



Pure Sine Wave



LCD Display

Technical Specifications

MODEL	NM-ECO-3.6KW PLUS	NM-ECO-6.2KW PLUS
Phase	1-Phase	
Maximum PV Input Power	6200 W	6500 W
Rated Output Power	3600W/3600VA	6200W/6200VA
Maximum Solar Charging Current	120 A	
PV Input (DC)		
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC	
MPPT Voltage Range	90 - 450 VDC	
Number Of MPPT/Max Input Current	1/23A	
GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5-253VAC	
Nominal Output Current	15.7 A	27.0A
Power Factor	>0.99	
Feed-in Grid Frequency Range	49-51±1Hz	
EFFICIENCY		
Max. Conversion Efficiency(Solar to AC)	98%	
TWO LOAD OUTPUT POWER (V2.0)		
Full Load	3600W	6200W
Maximum Main Load	3600W	6200W
Max Second Load(battery mode)	1200W	2067W
Main Load Cut Off Voltage	22VDC	44VDC
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC or 170-280VAC	
Maximum AC Input Voltage Range	30A	40A
Nominal operating frequency	50/60Hz	
Surge Power	7200W	12400W
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240VAC	
Output Waveform	Pure Sine Wave	
Efficiency(DC to AC)	%94	
BATTERY&CHARGER		
Nominal DC Voltage	24VDC	48VDC
Maximum Solar Charging Current	120A	
Maximum AC Charging Current	100A	
GENERAL		
PYHSICAL		
Dimension D*W*H(mm)	110*334*423	
Net Weight(Kgs)	9	10
INTERFACE		
Communication Port	RS232/WIFI/GPRS	
ENVIRONMENT		
Operating Temperature	-10~50°C	