



MPPT

## Pure Sine Wave Solar Inverter (On/Off Grid)

NM-ECO SERIES 3.6 KW | 4.2 KW | 6.2 KW



### Key Features:

- Pure sine wave solar inverter.
- Output power factor 1.0
- 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 6200W (for 4.2KW). Max 6500W(for 6.2KW).
- High PV input voltage range (60-450VDC)
- 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- 4.2KW PLUS	NM-ECO- 6.2KW PLUS
Phase	1-Phase		
Maximum PV Input Power	6200 W	6200 W	6500 W
Rated Output Power	3600W/3600VA	4200W/4200VA	6200W/6200VA
Maximum Solar Charging Current	120A	120A	120A
PV Input (DC)			
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
Start-up Voltage & Initial Feeding Voltage	60VDC		
MPPT Voltage Range	60 - 450 VDC		
Number Of MPPT/Max Input Current	18A	18A	22A
GRID OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195.5-253VAC		
Nominal Output Current	15.7 A	18.2A	26.9A
Power Factor	>0.99		
Feed-in Grid Frequency Range	49-51±1Hz		
EFFICIENCY			
Max. Conversion Efficiency(Solar to AC)	97%		
TWO LOAD OUTPUT POWER (V2.0)			
Full Load	3600W	4200W	6200W
Maximum Main Load	3600W	4200W	6200W
Max Second Load(battery mode)	1200W	1400W	2066W
Main Load Cut Off Voltage	26VDC		52VDC
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Voltage Current	30A	40A	40A
Nominal operating frequency	50/60Hz		
Surge Power	7200W	8400W	12400W
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Waveform	Pure Sine Wave		
Efficiency(DC to AC)	93%		
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	9.5	10
INTERFACE			
ENVIRONMENT			
Operating Temperature	-10~50°C		