

ON/OFF GRID SOLAR INVERTER

VICTOR NM-ECO SERIES

(R) INVERTER MODE **(G)** PV MODE **(B)** UTILITY MODE



»» Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Dual communication ports for Battery communication and Wifi communication
- Built-in 120A MPPT Solar charge:max 6200W (for 3.6KW/4.2KW),max 6500W (for 6.2KW)
- Built-in 80A MPPT Solar charge: max 6500W (for 3.6KW / 48V)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

»» Product Data Sheet

MODEL	VICTOR NM-ECO-3.6KW PLUS		VICTOR NM-ECO-4.2KW PLUS		VICTOR NM-ECO-6.2KW PLUS	
Phase	1-phase					
Maximum PV Input Power	6200W	6500W	6200W		6500W	
Rated Output Power	3600W/3600VA		4200W/4200VA		6200W/6200VA	
Maximum Solar Charging Current	120A	80A	120A			
GRID-TIE OPERATION						
PV INPUT(DC)						
Nominal DC Voltage/Maximum DC Voltage	360/500VDC					
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC					
MPPT Voltage Range	60~450VDC					
Maximum Input Current	1/18A	1/22A	1/18A		1/22A	
GRID OUTPUT(AC)						
Nominal Output Voltage	220/230/240VAC					
Output Voltage Range	195~253VAC					
Nominal Output Current	15.7A		18.2A		27.0A	
Power Factor	>0.99					
EFFICIENCY						
Maximum Conversion Efficiency(DC/AC)	98%					
TWO LOAD OUTPUT POWER						
Full Load	3600W		4200W		6200W	
Maxium Main Load	3600W		4200W		6200W	
Maxium Second Load(battery mode)	1200W		1400W		2067W	
Maximum Load Cut Off Voltage	26VDC	52VDC	26VDC		52VDC	
Maximum Load Return Voltage	27VDC	54VDC	27VDC		54VDC	
OFF-GRID OPERATION						
AC INPUT						
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC					
Acceptable Input Voltage Range	90-280VAC or 170-280VAC					
Frequency Range	59~61±1HZ					
Maximum AC Input Current	21.1A		24.7A		36.4A	
PV INPUT (DC)						
Nominal DC Voltage/Maximum DC Voltage	360/500VDC					
MPPT Voltage Range	60~450VDC					
Maximum Input Current	1/18A	1/22A	1/18A		1/22A	
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	24VDC		48VDC	
Maximum Solar Charging Current	120A	80A	120A		120A	
Maximum AC Charging Current	100A	60A	100A		100A	
Maximum Solar+AC Charging Current	120A	80A	120A		120A	
HYBRID OPERATION						
PV INPUT(DC)						
Nominal DC Voltage/Maximum DC Voltage	360/500VDC					
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC					
MPPT Voltage Range	60~450VDC					
Maximum Input Current	1/18A	1/22A	1/18A		1/22A	
GRID OUTPUT(AC)						
Nominal Output Voltage	220/230/240VAC					
Output Voltage Range	195~253VAC					
Nominal Output Current	15.7A		18.2A		27.0A	

AC INPUT			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	21.1A	24.7A	36.4A
Maximum AC Charging Current	100A		
GENERAL			
PHYSICAL			
Dimension,D*W*H(mm)	420*350*110		
Cartoon Dimension,D*W*H(mm)	500*415*180		
Net Weight (kgs)	8.0	8.0	8.9
Gross Weight (kgs)	9.0	9.0	10.0
INTERACE			
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY		
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	-10°C~50°C		
STANDARD			
Compliance Safety	CE		



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