

ON/OFF GRID SOLAR INVERTER

VICTOR NM-ECO SERIES



» 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),max6500w(for 6.2KW)
- ◆ Built-in 80A MPPT Solar charge max6500W(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	
Maximum Main Load	3600W		4200W		6200W	
Second Load Range	720W~2520W		840W~2940W		1240W~4340W	
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	50±1Hz/60±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 Wave Form	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 Sotar+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 Charging Current	100A					
GENERAL						
PHYSICAL						
Dimension ,H*W*D(mm)	420*350*110					
Cartoon Dimension ,H*W*D(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					