



»» 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
Maximum Main Load	3600W		4200W	6200W
Maximum 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	49~51±1Hz / 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 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℃~50℃			
STANDARD				
Compliance Safety	CE			