

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
- Built-in 120A(for 3.6KW/6.2KW)
- MPPT:Max 6200w(for 3.6kw),max 6500w (for 6.2 KW) solar charge
- High PV input voltage range(90~450VDC) Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

120A
MAX PV CHARGING

PURE
SINE WAVE

WORKS
WITH AND WITHOUT BATTERY

UPGRADED MPPT

LI-ION

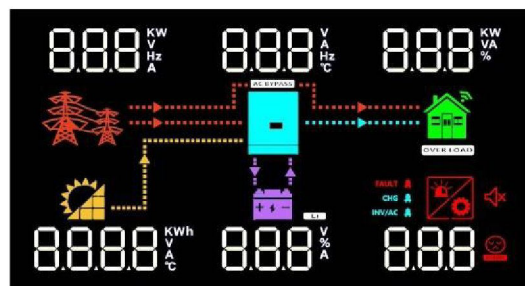
BUILT IN ANTI DUST KIT

RGB LIGHT

RGB lighting for different working mode
 RGB automatically switches under different working modes of inverter:
 Battery mode: red;
 Utility mode: blue;
 PV mode: purple;



LCD Display



WIFI&GPRS available for ios and Android



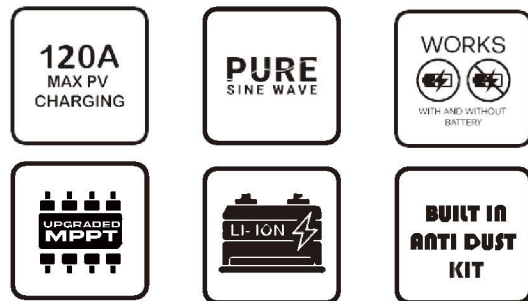
MODEL	VICTOR NM-ECO-3.6KW PLUS	VICTOR NM-ECO-6.2KW PLUS
Phase	1-phase	
Maximum PV Input Power	6200W	6500W
Rated Output Power	3600W	6200W
Maximum Solar Charging Current	120A	120A
GRID-TIE OPERATION		
PV Input(DC)		
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC	
MPPT Voltage Range	90~450VDC	
Number of MPPT Trackers/Maximum Input Current	1/18A	1/23A
GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5~253VAC	
Nominal Output Current	15.7A	27.0A
Power Factor	>0.99	
Feed-in Grid Frequency Range	49~51±1Hz	
EFFICIENCY		
Maximum Conversion Efficiency(Solar to AC)	98%	
TWO LOAD OUTPUT POWER(V2.0)		
Full Load	3600W	6200W
Maximum Main Load	3600W	6200W
Maximum Second Load(battery mode)	1200W	2067W
Main Load Cut Off Voltage	22VDC	44VDC
Main Load Return Voltage	26VDC	52VDC
OFF-GRID OPERATION		
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	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 Charging Current (Solar to AC)	120A	120A
Maximum AC Charging Current	100A	
GENERAL		
PHYSICAL		
Dimension,D X W X H(mm)	420*310*110	
Cartoon Dimension,D X W XH(mm)	500*415*180	
Net Weight(kgs)	8.8	9.8
Gross Weight(kgs)	10	11
INTERFACE		
Communication Port	RS232/WIFI/GPRS	
ENVIRONMENT		
Operating Temperature	-10~50℃	

VICTOR NM-ECO-LV 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
- Built-in 120A(for 3.6KW/ 5KW)
- MPPT:Max 4200w(for 3.6 KW),max 6000w (for 5KW) solar charge
- High PV input voltage range(90~450VDC) Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

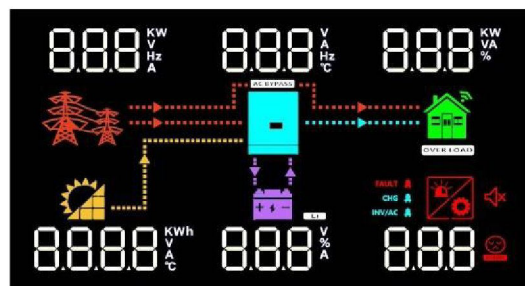


RGB LIGHT

RGB lighting for different working mode
 RGB automatically switches under different working modes of inverter:
 Battery mode: red;
 Utility mode: blue;
 PV mode: purple;



LCD Display



WIFI&GPRS available for ios and Android



MODEL	VICTOR NM-ECO-LV-3.6KW PLUS	VICTOR NM-ECO-LV-5KW PLUS
Phase	1-phase	
Maximum PV Input Power	4200W	6000W
Rated Output Power	3600W(3000/3150/3300)	5000W(4100/4300/4500)
Maximum Solar Charging Current	120A	100A
GRID-TIE OPERATION		
PV Input(DC)		
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC	
MPPT Voltage Range	90~450VDC	
Number of MPPT Trackers/Maximum Input Current	1/18A	1/23A
GRID OUTPUT(AC)		
Nominal Output Voltage	120VAC (100/105/110V settable)	
Output Voltage Range	90-150 VAC	
Nominal Output Current	30A	41.7
Power Factor	>0.99	
Feed-in Grid Frequency Range	47~55±0.3HZ/57~65±0.3HZ	
EFFICIENCY		
Maximum Conversion Efficiency(Solar to AC)	98%	
TWO LOAD OUTPUT POWER(V2.0)		
Full Load	3600W	6200W
Maximum Main Load	3600W	6200W
Maximum Second Load(battery mode)	1200W	2067W
Main Load Cut Off Voltage	22VDC	44VDC
Main Load Return Voltage	26VDC	52VDC
OFF-GRID OPERATION		
AC INPUT		
Rated Input Voltage	110/120VAC	
Input Voltage Range	90~140VAC±2%	
Maximum AC Input Current	30A	40A
Nominal operating frequency	47~55±0.3HZ/57~65±0.3HZ	
Surge power	7200W	12400W
BATTERY MODE OUTPUT(AC)		
Nominal Output Voltage	120VAC (100/105/110V settable)	
Output Waveform	Pure sine wave	
Efficiency(DC to AC)	94%	
BATTERY & CHARGER		
Nominal DC Voltage	24VDC	48VDC
Maximum Charging Current (Solar to AC)	120A	120A
Maximum AC Charging Current	80A	
GENERAL		
PHYSICAL		
Dimension,D X W X H(mm)	420*310*110	
Cartoon Dimension,D X W XH(mm)	500*415*180	
Net Weight(kgs)	8.8	9.8
Gross Weight(kgs)	10	11
INTERFACE		
Communication Port	RS232/WIFI/GPRS	
ENVIRONMENT		
Operating Temperature	-10~50℃	