



»» 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 160A MPPT solar charger (for 8.2kw,10.2kw)
- Dual communication ports for Battery communication and Wifi communication
- High PV input voltage range(90~ 500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Dual PV input
- Touch button
- On Off Grid Work Mode

»» Product Data Sheet

MODEL	VICTOR MAX-8.2KW	VICTOR MAX-10.2KW
Phase	1-phase	
Maximum PV Input Power	5400W+5400W	
Rated Output Power	8200W/8200VA	10200W/10200VA
Maximum Solar Charging Current	160A	

GRID-TIE OPERATION

<b>PV INPUT (DC)</b>			
Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC		
MPPT Voltage Range	90~450VDC		
Maximum Input Current	2/18A		
<b>GRID OUTPUT (AC)</b>			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	190~253VDC		
Nominal Output Current	35.6A		44.3A
Power Factor	>0.99		
<b>EFFICIENCY</b>			
Maximum Conversion Efficiency (DC/AC)	98%		
<b>TWO LOAD OUTPUT POWER</b>			
Full Load	8200W		10200W
Maxium Main Load	8200W		10200W
Maxium Second Load(battery mode)	2733W		3400W
Maxium Load Cut Off Voltage	52VDC		
Maxium Load Return Voltage	54VDC		

OFF-GRID OPERATION

<b>AC INPUT</b>			
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VACor170-280VAC		
Frequency Range	49~51±1HZ		
Maximum AC Input Current	40A		50A

PV INPUT (DC)

Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
MPPT Voltage Range	90~450VDC		
Maximum Input Current	2/18A		

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	48VDC		
Maximum Solar Charging Current	160A		
Maximum AC Charging Current	140A		
Maximum Solar+AC Charging Current	160A		

HYBRID OPERATION

PV INPUT (DC)

Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC		
MPPT Voltage Range	90~450VDC		
Maximum Input Current	2/18A		

GRID OUTPUT (AC)

Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	190~253VDC		
Nominal Output Current	35.6A		44.3A

AC INPUT

AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VACor170-180VAC		
Maximum AC Input Current	40A		50A
Maximum AC Charging Current	140A		

GENERAL

PHYSICAL

Dimension,D*W*H(mm)	530*390*130		
Cartoon Dimension,D *W *H(mm)	618*463*205		
Net Weight (kgs)	14.2		14.7
Gross Weight(kgs)	15.7		16.2

INTERACE

Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY		
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ENVIRONMENT

Humidity	5% to 95% Relative Humidity(Non~condensing)		
Operating Temperature	-10°C~50°C		

STANDARD

Compliance Safety	CE		
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