

# ELEGO 6

6000VA  
6000W

Pure Sine Wave Hybrid Inverter



Product Design By:  
**Crown Micro Global**

## »»» Features

**4 YEARS WARRANTY**  
1 Year Comprehensive  
3 Years Free Services

- ❖ Pure sine wave output
- ❖ Self-consumption and Feed-in to the grid
- ❖ Programmable supply priority for PV, Battery or Grid
- ❖ User-adjustable charging current and voltage
- ❖ Programmable multiple operation modes: Grid-tie, with backup
- ❖ Monitoring software for real-time status display and control
- ❖ Parallel operation up to 9 units
- ❖ Battery Independent System
- ❖ Max. PV input power to 7000W
- ❖ Inbuilt dual output
- ❖ LCD & touch pad, inbuilt BMS & WIFI



Feed In to the Grid



Built-in Dual Output



Parallel Operation up to 9 units



Built in Wifi & BMS



LCD With Touch Pad



Max PV Input 7,000W

# Specification:

<b>MODEL NAME</b>	<b>Elego-VI-6KW</b>
<b>MODEL NUMBER</b>	<b>EOI-VI-6KW</b>
<b>PHASE</b>	<b>1Phase In/ 1Phase Out</b>
<b>Maximum PV Input Power</b>	<b>7000W</b>
<b>Rated Output Power</b>	6000W
<b>Maximum Charging Power</b>	6000W
<b>GRID-TIE OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	130VDC / 150 VDC
MPPT Voltage Range	120 VDC ~ 430 VDC
Number of MPPT Trackers / Maximum Input Current	1 / 27A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26A
Power Factor	>0.99
<b>EFFICIENCY</b>	
Maximum Conversion Efficiency (DC/AC)	95%
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
<b>HYBRID OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	130VDC / 150 VDC
MPPT Voltage Range	120 VDC ~ 430 VDC
Number of MPPT Trackers / Maximum Input Current	1 / 27A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26A
<b>AC INPUT</b>	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40 A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
<b>BATTERY &amp; CHARGER</b>	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120 A
Maximum AC Charging Current	120 A
Maximum Charging Current	120 A
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	120 x 295 x 468
Net Weight (kgs)	12
<b>INTERFACE</b>	
Parallel Function	Yes, 9 units
Communication Port	USB or RS-232/Dry Contact
<b>ENVIRONMENT</b>	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 50°C

## »» Solar System Connection

