



ELEGO 6 PV-7000 6KW

Pure Sine Wave Hybrid Inverter



Product Design By:
Crown Micro Global

»»» **Features**



- ❖ Pure sine wave solar MPPT based inverter
- ❖ Dual output for smart load management
- ❖ inbuilt BMS & Wi-fi
- ❖ 5" LCD & touch pad
- ❖ With Max. PV input power to 7000W
- ❖ Self-consumption and Feed-in to the grid
- ❖ Programmable supply priority for PV, Battery or Grid
- ❖ User-adjustable charging current and voltage
- ❖ Monitoring software for real-time status display and control
- ❖ Battery Independent System
- ❖ Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- ❖ Parallel operation up to 9 units (Optional)



Feed In to the Grid



Built-in Dual Output



Parallel Operation up to 9 units



Built in Wi-fi & BMS



LCD With Touch Pad



Max PV Input 7,000W

Specification:

MODEL NAME	Elego-VI-6KW
MODEL NUMBER	EOI-VI-6KW
PHASE	1Phase In/ 1Phase Out
Maximum PV Input Power	7000W
Rated Output Power	6000W
Maximum Charging Power	6000W
GRID-TIE OPERATION	
PV INPUT (DC)	
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
GRID OUTPUT (AC)	
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
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	0.95
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	0.93
HYBRID OPERATION	
PV INPUT (DC)	
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
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26A
AC INPUT	
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
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	0.93
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120 A
Maximum AC Charging Current	120 A
Maximum Charging Current	120 A
GENERAL	
PHYSICAL	
Dimension, D X W X H (mm)	120 x 295 x 468
Net Weight (kgs)	12
INTERFACE	
Parallel Function	Yes, 9 units
Communication Port	USB or RS-232/Dry Contact
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 50°C

»» Solar System Connection

