

IP65
ELEGO 6 **PV-7000**
6KW

Pure Sine Wave Hybrid Inverter



Product Design By:
Crown Micro Global

»»» **Features**

5 YEARS WARRANTY
3 Year Comprehensive
2 Years Free Services

- ❖ Pure sine wave solar MPPT based inverter
- ❖ IP65 waterproof and dust proof makes the inverter available for various working conditions.
- ❖ Self-consumption and Feed-in to the grid
- ❖ Dual outputs, for smart load management
- ❖ Reserved communication port for BMS (Rs485)
- ❖ 5" LCD with touch pad
- ❖ With inbuilt Wi-fi
- ❖ Max PV input Power to 7000W
- ❖ Monitoring software for real-time status display and control
- ❖ Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- ❖ User-adjustable charging current and voltage
- ❖ Programmable supply priority for PV, Battery or Grid
- ❖ Parallel operation up to 9 units



IP65



Feed In to the Grid



Built-in Dual Output



Built in Wi-fi & BMS



LCD With Touch Pad



Max PV Input 7000W



Parallel Operation up to 9 units

Specification:

MODEL NAME	ELEGO-6KW-IP65
MODEL NUMBER	EOI-6KW-IP65
PHASE	1-phase in / 1-phase out
Maximum PV Input Power	7000W
Rated Output Power	6000VA/6000W
Maximum Charging Power	6000W
GRID-TIE OPERATION	
PV INPUT (DC)	
Maximum DC Voltage	500VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPPT Voltage Range	120 VDC ~ 450 VDC
Number of MPPT Trackers / Maximum Input Current	1 / 30A
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
OFF-GRID OPERATION	
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
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	500VDC
MPPT Voltage Range	120 VDC ~ 450 VDC
Number of MPPT Trackers / Maximum Input Current	1 / 30A
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)	
Maximum DC Voltage	500VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPPT Voltage Range	120 VDC ~ 450 VDC
Number of MPPT Trackers / Maximum Input Current	1 / 30A
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)	192 x 360 x 665
Net Weight (kgs)	22.5
INTERFACE	
Communication Port	USB or RS-232/Dry Contact/RS485
ENVIRONMENT	
Humidity	0 ~ 95% RH (No condensing)
Operating Temperature	-25°C to 50°C

»» Solar System Connection

