

# ELEGO 10KW 15KW

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 solar MPPT based inverter
- ❖ Self-consumption and Feed-in to the grid
- ❖ Programmable supply priority for PV, Battery or Grid
- ❖ User-adjustable battery charging current suits different types of batteries
- ❖ Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- ❖ Built-in timer for various mode of on/off operation
- ❖ Multiple communication for USB, RS-232, Modbus and SNMP
- ❖ Monitoring software for real-time status display and control
- ❖ Parallel operation up to 6 units for 10KW and 15KW



Feed In to  
the Grid



Parallel  
Operation  
up to 9 units



RS232



Monitoring  
Software



Max Efficiency  
95%

# Specification:

MODEL NAME	Elego 10KW	Elego 15KW
MODEL NUMBER	EOI-10KW-2M	EOI-15KW-2M
Phase	3-phase in/3-phase out	
Maximum PV Input Power	14850 W	22500 W
Rated Output Power	10000 W	15000 W
Maximum Charging Power	9600 W	15000 W
<b>GRID-TIE OPERATION</b>		
<b>PV INPUT (DC)</b>		
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC	320 VDC / 350 VDC
MPPT Voltage Range	400 VDC ~ 800 VDC	400 VDC ~ 800 VDC
Number of MPPT Trackers / Maximum Input Current	2 / 2 x 18.6A	2 / A: 37.65A; B: 18.6A
<b>GRID OUTPUT (AC)</b>		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC* per phase	184 - 264.5 VAC* per phase
Nominal Output Current	14.5A per phase	21.7A per phase
Power Factor	> 0.99	
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency (DC/AC)	0.96	
European Efficiency@ V <sub>nominal</sub>	0.95	
<b>OFF-GRID OPERATION</b>		
<b>AC INPUT</b>		
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase	
Acceptable Input Voltage Range	170 - 280 VAC per phase	
Maximum AC Input Current	40 A	
<b>PV INPUT (DC)</b>		
Maximum DC Voltage	900 VDC	900 VDC
MPPT Voltage Range	400 VDC ~ 800 VDC	350 VDC ~ 850 VDC
Number of MPPT Trackers / Maximum Input Current	2 / 2 x 18.6A	2 / A: 37.65A; B: 18.6A
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	230 VAC (P-N) / 400 VAC (P-P)
Output Waveform		
Efficiency (DC to AC)	0.91	
<b>HYBRID OPERATION</b>		
<b>PV INPUT (DC)</b>		
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC	320 VDC / 350 VDC
MPPT Voltage Range	400 VDC ~ 800 VDC	350 VDC ~ 850 VDC
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Efficiency (DC to AC)	0.91	
<b>BATTERY &amp; CHARGER</b>		
Nominal DC Voltage		
Maximum Charging Current	Default 60A, 10A - 200A (Adjustable)	Default 60A, 5A - 300A (Adjustable)
<b>GENERAL</b>		
<b>PHYSICAL</b>		
Dimension, D X W X H (mm)	167.2 x 500 x 622	219 x 650 x 820
Net Weight (kgs)	40	62
<b>INTERFACE</b>		
Communication Port	RS-232/USB	
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available	
<b>ENVIRONMENT</b>		
Humidity	0 ~ 90% RH (No condensing)	
Operating Temperature	-10 to 55°C	
Altitude	0 ~ 1000 m**	

## »» Solar System Connection

