

IP65
ELEGO
10KW
12KW
15KW

Three Phase Hybrid Solar Inverter



Product Design By:
Crown Micro Global

»»» **Features**

5 YEARS WARRANTY
3 Year Comprehensive
2 Years Free Services

- ❖ IP65 waterproof and dustproof makes the inverter available for various working conditions.
- ❖ Built-in Wi-fi for mobile monitoring (App is available)
- ❖ 150% unbalanced load support
- ❖ Maximum PV input current per MPPT 27A
- ❖ Dual outputs for smart load management
- ❖ User-adjustable charging current
- ❖ Reserved communication port for BMS (RS485)
- ❖ Parallel operation up to 6 units
- ❖ 5" LCD with touch pad

Built-in Dual Output	150% unbalanced load support	IP65	Feed In to the Grid	Parallel Operation up to 6 units	Dual MPPT Input	Built in Wi-fi & BMS	LCD With Touch Pad

Specification:

MODEL NAME	ELEGO-10KW-IP65	ELEGO-12KW-IP65	ELEGO-15KW-IP65
MODEL NUMBER	EOI-II- 10K-IP65	EOI-II- 12K-IP65	EOI-II- 15K-IP65
MAXIMUM PV INPUT POWER	14000W	16000W	22500W
RATED OUTPUT POWER	10000W	12000 W	15000 W
MAXIMUM CHARGING POWER	10000W	12000 W	15000 W
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage	720 VDC		720 VDC
Maximum DC Voltage	1000 VDC		1000 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC		320 VDC / 350 VDC
MPPT Voltage Range	350 VDC ~ 950 VDC		350 VDC ~ 950 VDC
Number of MPPT Trackers / Maxium Input Current	2 / A: 27A, B: 27A		2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2		A: 2, B: 2
GRID/UTILITY OUTPUT (AC)			
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 - 265 VAC per phase
Output Frequency Range	47.5 ~ 51.5 Hz or 59.3 ~ 60.5 Hz		47.5 ~ 51.5 Hz or 59.3 ~ 60.5 Hz
Nominal Output Current	17.4 A per phase		21.7 A per phase
Power Factor range	0.9 lag ~ 0.9 lead		0.9 lag ~ 0.9 lead
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	>96%		>96%
European Efficiency@ Vnominal	>95%		>95%
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage	120 - 140 VAC per phase		120 - 140 VAC per phase
Auto Restart Voltage	180 VAC per phase		180 VAC per phase
Acceptable Input Voltage Range	170 - 290 VAC per phase		170 - 290 VAC per phase
Maximum AC Input Current	40 A		40 A
PV INPUT (DC)			
Maximum DC Power	14000W	16000W	22500W
Maximum DC Voltage	1000 VDC		1000 VDC
MPPT Voltage Range	350 VDC ~ 950 VDC		350 VDC ~ 950 VDC
Number of MPPT Trackers / Maxium Input Current	2 / A: 27A, B: 27A		2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2		A: 2, B: 2
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		230 VAC (P-N) / 400 VAC (P-P)
Output Frequency	50 Hz / 60 Hz (auto sensing)		50 Hz / 60 Hz (auto sensing)
Output Waveform	Pure sine wave		Pure sine wave
Efficiency (DC to AC)	91%		91%
HYBRID OPERATION			
PV INPUT (DC)			
Maximum DC Power	14000W	16000W	22500W
Nominal DC Voltage	720 VDC		720 VDC
Maximum DC Voltage	1000 VDC		1000 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC		320 VDC / 350 VDC
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Output Frequency	50 Hz / 60 Hz (auto sensing)		50 Hz / 60 Hz (auto sensing)
Output Waveform	Pure sine wave		Pure sine wave
Efficiency (DC to AC)	91%		91%
BATTERY & CHARGER			
Battery Voltage Range	40 ~ 62 VDC		40 ~ 62 VDC
Maximum Charging Current	250 A		300 A
GENERAL			
PHYSICAL			
Dimension, D X W X H (mm)	255 x 660 x 750		255 x 660 x 750
Net Weight (kgs)	75		78
IP protection			
INTERACE			
Communication Port		RS-232, RS-485, USB, CAN and Wi-Fi	
Intelligent Slot		Optional for SNMP and Modbus cards	
ENVIRONMENT			
Humidity		0 ~ 100% RH (Non-condensing)	
Operating Temperature		-25 to 60°C, > 45°C power derating	
Altitude		0 ~ 1000 m**	

Solar System Connection

