

5 YEARS WARRANTY
Terms & Conditions Apply

ELEGO OYSTER

**10KW
15KW**



HYBRID THREE PHASE SOLAR INVERTER

**PV - 15000
PV - 22500**

PRODUCT KEY FEATURES

- 👑 IP66 waterproof and dustproof makes the inverter available for various working conditions
- 👑 Max. PV input current per MPPT 26A (for 15kw)
- 👑 Parallel operation up to 6 units
- 👑 Dual outputs for smart load management
- 👑 Reserved communication port for BMS (RS485)
- 👑 150% unbalanced load support
- 👑 User-adjustable charging current & voltage
- 👑 Built-in BMS
- 👑 Built-in wi-fi for mobile monitoring (app is available)
- 👑 Self-consumption & feed-in to the grid



Feed-in to the Grid



Built-in Wi-fi



Dual Output



150% Unbalanced Load Support



Three Phase Operation



Battery Management System



Parallel Operations up to 6 Units



IP66 Protection

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ELEGO OYSTER 10KW 15KW

PV - 15000 | PV - 22500

Technical Data

MODEL NAME	ELEGO-OYSTER-10KW-3P	ELEGO-OYSTER-15KW-3P
RATED OUTPUT POWER	10000W	15000 W
MAXIMUM PV INPUT POWER	15000W	22500W
MAXIMUM CHARGING POWER	10000W	15000 W
GRID-TIE OPERATION		
PV INPUT (DC)		
Nominal DC voltage	720 VDC	720 VDC
Max. DC voltage	900 VDC	1000 VDC
Start-up voltage / Initial feeding voltage	150 VDC / 150 VDC	320 VDC / 350 VDC
MPPT voltage range	150 VDC ~ 850 VDC	350 VDC ~ 950 VDC
Full MPPT voltage range	420 VDC ~ 850 VDC	
Number of MPPT trackers / Max. input current	2 / A: 18A, B: 18A	2 / A: 26A, B: 26A
Number of strings per MPPT 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	14.5 A per phase	21.7 A per phase
Power factor range	0.9 lag ~ 0.9 lead	0.9 lag ~ 0.9 lead
EFFICIENCY		
Max. 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
Max. AC input current	40 A	40 A
PV INPUT (DC)		
Max. DC voltage	900 VDC	22500W
MPPT voltage range	150 VDC ~ 850 VDC	1000 VDC
Full MPPT voltage range	420 VDC ~ 850 VDC	350 VDC ~ 950 VDC
Number of MPPT trackers / Max. input current	2 / A: 18A, B: 18A	2 / A: 26A, B: 26A
Number of strings per MPPT 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)	>93%	0.91
HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC voltage	720 VDC	22500W
Maximum DC voltage	900 VDC	720 VDC
Start-up voltage / Initial feeding voltage	150 VDC / 150VDC	1000 VDC
MPP voltage range	150 VDC ~ 850 VDC	320 VDC / 350 VDC
Full MPPT voltage range	420 VDC ~ 850 VDC	350 VDC ~ 950 VDC
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Power factor range	0.9 lag ~ 0.9 lead	0.9 lag ~ 0.9 lead
AC INPUT		
AC Start-up voltage	120 - 140 VAC per phase	120 - 140 VAC per phase
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Acceptable input voltage range	170 - 290 VAC per phase	170 - 290 VAC per phase
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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
Max. discharging current	220A	
Efficiency (DC to AC)	>93%	0.91
BATTERY & CHARGER		
Battery voltage range	40 ~ 60 VDC	40 ~ 62 VDC
Max. charging current	200 A	300 A
GENERAL		
PHYSICAL		
Dimension, D*W*H (mm)	247 x 500 x 650	255 x 660 x 750
Net Weight (kgs)	50	78
INTERFACE		
Communication port	RS-232, RS-485, USB, CAN and wi-fi	RS-232, RS-485, USB, CAN and wi-fi
Intelligent slot	Optional for SNMP and modbus cards	Optional for SNMP and modbus cards
ENVIRONMENT		
Humidity	0 ~ 100% RH (Non-condensing)	0 ~ 100% RH (Non-condensing)
Operating temperature	-25 to 60°C > 45°C power derating	-25 to 60°C, > 45°C power derating
Altitude	0 ~ 1000 m**	0 ~ 1000 m**

*Power derating 1% every 100 m when altitude is over 1000m

Product specifications are subject to change without further notice.