

CROWN

MAXIMUM
OUTPUT POWER
8000W
(WITH SOLAR & BATTERY)

6
YEARS
WARRANTY

ELEGO **STAR**

6.5KW



PURE SINE WAVE SOLAR MPPT BASED INVERTER

PV - 9000

PRODUCT KEY FEATURES

- Pure sine wave solar MPPT based inverter
- Parallel operation up to 9 units
- Maximum PV input power to 9000W
- Optimizes two solar arrays independently
- Grid-tie, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- Maximum output power 8000W (with solar & battery)
- Self-consumption and feed-in to grid
- User-adjustable charging current & voltage
- Built-in BMS & Wi-fi
- User-friendly HMI LCD design and easy configuration



Feed-in to
the Grid



Built-in
Wi-Fi



Built-in Dual
Output



Max Efficiency
93%



HMI LCD



Battery
Management
System



Built-in Parallel
Operation



Works
without Battery

Technical Data

MODEL NAME	ELEGO-G-STAR-6.5KW
RATED POWER	6500VA/6500W
Phase	1 phase in / 1 phase out
Max. PV input power	9000W (4500W*2)
Rated output power	8000W with PV & battery; 6500W with battery only
Max. charging power	6000W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC voltage / Max. DC voltage	360VDC – 500VDC
Start-up voltage / Initial feeding voltage	130VDC – 150VDC
MPPT voltage range	120VDC – 430VDC
Number of MPPT trackers / Max. input current	18A*(2/2), max. 36A
GRID OUTPUT (AC)	
Nominal output voltage	220/230/240VAC
Output voltage range	184 – 264.5VAC or 195.5 – 253VAC (selectable)
Nominal output current	26A
Power factor	> 0.99
EFFICIENCY	
Max. conversion efficiency (DC/AC)	96%
BATTERY MODE OUTPUT (AC)	
Nominal output voltage	220/230/240VAC
Output waveform	Pure sine wave
Efficiency (DC to AC)	93%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC voltage / Max. DC voltage	360VDC – 500VDC
Start-up voltage / Initial feeding voltage	130VDC – 150VDC
MPPT voltage range	120VDC – 430VDC
Number of MPPT trackers / Max. input current	2 / 18A+18A
GRID OUTPUT (AC)	
Nominal output voltage	220/230/240VAC
Output voltage range	184 – 264.5VAC or 195.5 – 253VAC (Selectable)
Nominal output current	26A / 31.82A
AC INPUT	
AC start-up voltage / Auto restart voltage	120 – 140VAC / 180VAC
Acceptable input voltage range	90 – 280VAC or 170 – 280VAC
Max. AC input current	40A
BATTERY MODE OUTPUT (AC)	
Nominal output voltage	220/230/240VAC
Output waveform	Pure sine wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC voltage	48VDC
Max. solar charging current	120A
Max. AC charging current	120A
Max. charging current	120A
GENERAL SPECIFICATION	
Dimension, D*W*H (mm)	130*285*468
Net weight (Kgs)	12
INTERFACE	
Parallel function	Yes, 2 units
Communication port	USB or RS-232 / Dry contact
ENVIRONMENT	
Humidity	0 – 90% RH (non-condensing)
Operating temperature	-10°C to 50°C

Product specifications are subject to change without further notice.