



ELEGO 6 6KW

PURE SINE WAVE SOLAR MPPT BASED INVERTER PV - 7000

PRODUCT KEY FEATURES

- 👑 Pure sine wave solar MPPT based inverter
- 👑 Parallel operation up to 9 units
- 👑 Maximum PV input power to 7000W
- 👑 LCD with touch pad
- 👑 Grid-tie, off-grid and grid-tie with backup
- 👑 Monitoring software for real-time status display and control
- 👑 Built-in dual output
- 👑 Self-consumption and feed-in to grid
- 👑 User-adjustable charging current & voltage
- 👑 Built-in BMS & Wi-fi
- 👑 Programable multiple operation modes
- 👑 Programable supply priority for PV, Battery or Grid



Technical Data

MODEL NAME	ELEGO-VI-6KW
RATED POWER	6000VA/6000W
Phase	1 phase in / 1 phase out
Max. PV input power	7000W
Rated output power	6000W
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	1 / 27A
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)	95%
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	1 / 27A
GRID OUTPUT (AC)	
Nominal output voltage	220/230/240VAC
Output voltage range	184 ~ 264.5VAC or 195.5 ~ 253VAC (Selectable)
Nominal output current	26A
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)	120*295*468
Net weight (Kgs)	12
INTERFACE	
Parallel function	Yes, 9 units
Communication port	USB or RS-232 / Dry contact
ENVIRONMENT	
Humidity	0 ~ 90% RH (non-condensing)
Operating temperature	-10°C to 50°C