

ELEGO 6

6000VA
6000W

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 output
- ❖ Self-consumption and Feed-in to the grid
- ❖ Programmable supply priority for PV, Battery or Grid
- ❖ User-adjustable charging current and voltage
- ❖ Programmable multiple operation modes: Grid-tie, with backup
- ❖ Monitoring software for real-time status display and control
- ❖ Parallel operation up to 9 units
- ❖ Battery Independent System
- ❖ Max. PV input power to 7000W
- ❖ Inbuilt dual output
- ❖ LCD & touch pad, inbuilt BMS & WIFI



Feed In to
the Grid



Built-in
Dual Output



Parallel
Operation
up to 9 units



Built in
Wifi & BMS



LCD With
Touch Pad



Max PV
Input
7,000W

Specification:

| | |
|---|---|
| MODEL NAME | Elego-VI-6KW |
| MODEL NUMBER | EOI-VI-6KW |
| PHASE | 1Phase In/ 1Phase Out |
| Maximum PV Input Power | 7000W |
| Rated Output Power | 6000W |
| Maximum Charging Power | 6000W |
| GRID-TIE OPERATION | |
| PV INPUT (DC) | |
| Nominal DC Voltage / Maximum DC Voltage | 360 VDC / 500 VDC |
| Start-up Voltage / Initial Feeding Voltage | 130VDC / 150 VDC |
| MPPT Voltage Range | 120 VDC ~ 430 VDC |
| Number of MPPT Trackers / Maximum Input Current | 1 / 27A |
| GRID OUTPUT (AC) | |
| Nominal Output Voltage | 220/230/240 VAC |
| Output Voltage Range | 184 - 264.5 VAC or 195.5 - 253 VAC (Selectable) |
| Nominal Output Current | 26A |
| Power Factor | >0.99 |
| EFFICIENCY | |
| Maximum Conversion Efficiency (DC/AC) | 95% |
| BATTERY MODE OUTPUT (AC) | |
| Nominal Output Voltage | 220/230/240 VAC |
| Output Waveform | Pure sine wave |
| Efficiency (DC to AC) | 93% |
| HYBRID OPERATION | |
| PV INPUT (DC) | |
| Nominal DC Voltage / Maximum DC Voltage | 360 VDC / 500 VDC |
| Start-up Voltage / Initial Feeding Voltage | 130VDC / 150 VDC |
| MPPT Voltage Range | 120 VDC ~ 430 VDC |
| Number of MPPT Trackers / Maximum Input Current | 1 / 27A |
| GRID OUTPUT (AC) | |
| Nominal Output Voltage | 220/230/240 VAC |
| Output Voltage Range | 184 - 264.5 VAC or 195.5 - 253 VAC (Selectable) |
| Nominal Output Current | 26A |
| AC INPUT | |
| AC Start-up Voltage / Auto Restart Voltage | 120 - 140 VAC / 180 VAC |
| Acceptable Input Voltage Range | 90 - 280 VAC or 170 - 280 VAC |
| Maximum AC Input Current | 40 A |
| BATTERY MODE OUTPUT (AC) | |
| Nominal Output Voltage | 220/230/240 VAC |
| Output Waveform | Pure sine wave |
| Efficiency (DC to AC) | 93% |
| BATTERY & CHARGER | |
| Nominal DC Voltage | 48 VDC |
| Maximum Solar Charging Current | 120 A |
| Maximum AC Charging Current | 120 A |
| Maximum Charging Current | 120 A |
| GENERAL | |
| PHYSICAL | |
| Dimension, D X W X H (mm) | 120 x 295 x 468 |
| Net Weight (kgs) | 12 |
| INTERFACE | |
| Parallel Function | Yes, 9 units |
| Communication Port | USB or RS-232/Dry Contact |
| ENVIRONMENT | |
| Humidity | 0 ~ 90% RH (No condensing) |
| Operating Temperature | -10°C to 50°C |

»» Solar System Connection

