



SHAURYA Series

3.3kW, 4kW, 5kW

- **Dual MPPT (Maximum power point tracking), the range of MPPT: 150~500 Vdc.**
- Maximum DC voltage is up to 650V to design on best MPPT easily.
- IP65 water/dust proof enclosure
- Maintenance-free fan-less nature cooling design.
- Up to 55°C without derating.
- Low acoustics noise while the inverter operates.
- Monitor the power information and the system setting via a computer, the monitoring software and RS232 / RS485 / Blue tooth (optional) interfaces
- Conformity to the EMC, Low Voltage Directives and Standards, e.g, 2004/108/EC, 2006/95/EC, IEC/EN 62109-1/-2 and VDE-AR-N 4105; IEEE 519:1992; EN 61683:2000; EN61683:2000, IEC/EN 620068-2-(1,2,6,14,27,30), IEC 60529

Waterproof

Dustproof

IP-65 Design all
Weather Applications



Specifications

| Output data (AC side) | Shaurya-3.3K | Shaurya-4K | Shaurya-5K |
|--|--------------------------------------|--------------|--------------|
| Maximum AC Output | 3300W | 4000W | 5000W |
| Maximum AC Output Current | 16.5 Aac | 20 Aac | 22 Aac |
| Nominal AC Voltage | 220-240 Vac | | |
| Grid AC Frequency | 50/60 Hz, Auto-selection | | |
| Power Factor | >0.99 @ 20% load | | |
| Reactive Power Factor | 1 or adjustable from -0.9 to +0.9 ** | | |
| Total Harmonics Distortion | <3% | | |
| AC connection/Grid forms | Single-Phase / TN-C, TN-S, TN-C-S | | |
| Input data(DC side) | | | |
| Maximum DC power | 3600W | 4300W | 5300W |
| Maximum DC Input Current | 2x10 Adc | 2x13 Adc | 2x15 Adc |
| Max. number of MPP trackers (parallel/independent) | 2 | | |
| Maximum DC Voltage | 650 Vdc | | |
| MPP Tracking Voltage Range | 150-500 Vdc | | |
| Peak Power Tracking Voltage Range | 200-460 Vdc | | |
| Efficiency | | | |
| MPPT Efficiency | >99.9% | | |
| Maximum efficiency | 96.5% | 96.7% | 96.9% |
| Euro efficiency | 96.1% | 96.3% | 96.6% |
| Operating Consumption:(standby/night) | <12.5W / <0.2W | | |
| General Specification | | | |
| Dimensions(WxHxD)in mm | 405x442x165 | | |
| Weight | 25.8kg | | |
| Cooling concept | free convection | | |
| Acoustic Noise level | <35 dB (A) | | |
| Maximum Operating Temperature without derating | -22 to +60°C | -20 to +60°C | -20 to +55°C |
| Ambient Temperature Range | -25 to +60°C | | |
| Humidity | 0 to 95%, non condensing | | |
| Protection degree | IP 65 | | |
| Topology | Transformerless | | |
| Features | | | |
| DC Connection | MC4,Tyco | | |
| DC Disconnect | Yes | | |
| AC Connection | AC connectors | | |
| Display | LCD 16x2 screen | | |
| Communication Interface | Rs232, Rs485; Bluetooth(Optional) | | |
| Safety | VDE-AR-N 4105 ; IEC 62109-1/-2 | | |

* For VDE-AR-N4105, the inverter is rated 4600VA.

**Adjustable from 0.95 over-excited to 0.95 under-excited with VDE-AR-N-4105.

Disclaimer : Due to constant quality improvement at our R&D center, specifications/models may change without prior notice.

To know more, visit our ELWORLD showroom at B-25, Lajpat Nagar-II, Delhi
Call 1800-3000-7799 | SMS ELSOLAR to 56161 | www.elsolar.in



Elcomponics Technologies India Pvt. Ltd.

Corporate Office : C-24, Phase-II, Noida -201305, UP, INDIA
Showroom (Regd. Office) : B-25, Lajpat Nagar-II, New Delhi, INDIA
Works : A-65, Sector-58, Noida - 201301, UP, INDIA

Tel : +91-120-4743300 | Fax : +91-120-4743399 | URL : www.elcomponics.com | salesetipl@elcomponics.com

