

Sol-series PV Controller / Inverter

The task of converting the DC energy produced by the Solar PV modules into sinusoidal AC energy is undertaken by the Sol-series PV Controller / Inverter. This makes the PV Controller / Inverter an important piece of equipment within a Solar Power System. The selection of this equipment is undoubtedly a critical task.



Sol-series PV Controller / Inverter have a broad range of power rating to select from. Besides its wide power range, each inverter also incorporates a myriad of safety features to ensure user safety and security. Data logging is built-in to enable usage analysis and optimization.

OUR SERVICES

- Provision of Solar Modules and Solar Power Systems
- Systems Solutions & Consultancy
- Systems Installation Services

CONTACTS

Sales & Marketing:

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Customer Service:

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Technical Support:

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Features

- Employs MPPT (maximum power point tracking) technology to yield high conversion efficiency
- Low noise and interference with THD (total harmonic distortion) of < 3% at nominal power
- Easy to operate and configure using front-panel LCD display
- Built-in data logging enables usage analysis and optimization

Benefits

- Manufactured in an ISO9001:2000 certified facility insures product quality
-  and  approvals on product safety features and standards incorporated in design.
- Long service life with minimal maintenance requirement

Product Information

Specifications

500 – 3000 W

| MODEL NUMBER | AT005-010A | AT010-030A | AT020-050A | AT030-050A |
|---------------------------------------|-------------------------|--------------|--------------|--------------|
| DC INPUT | | | | |
| Max. DC Power (Wp) | 450 | 900 | 1700 | 2800 |
| Rated DC Voltage (V) | 24 | | | |
| Nom. DC Current (A) | 10 | 30 | 50 | 50 |
| EFFICIENCY (%) | 95 | | | |
| AC OUTPUT | | | | |
| Nom. AC Power (VA) [cos ϕ =0.98] | 500 | 1000 | 2000 | 3000 |
| Rated AC Voltage (V) | 230 \pm 12% | | | |
| Frequency (Hz) | 50 \pm 10% | | | |
| MECHANICAL DATA | | | | |
| Mounting Configuration | Wall-mount / Standalone | | | |
| Length Breadth Height (cm) | 50 30 15 | 50 30 15 | 50 30 15 | 60 40 23 |
| Weight (kg) | 12 | 16 | 22 | 35 |

4000 – 10000 W

| MODEL NUMBER | AT040-100A | AT060-100A | AT080-130A | AT100-150A |
|---------------------------------------|---------------|--------------|--------------|--------------|
| DC INPUT | | | | |
| Max. DC Power (Wp) | 3500 | 6000 | 8000 | 11000 |
| Rated DC Voltage (V) | 24 | | | |
| Nom. DC Current (A) | 100 | 100 | 130 | 150 |
| EFFICIENCY (%) | 95 | | | |
| AC OUTPUT | | | | |
| Nom. AC Power (VA) [cos ϕ =0.98] | 4000 | 6000 | 8000 | 10000 |
| Rated AC Voltage (V) | 230 \pm 12% | | | |
| Frequency (Hz) | 50 \pm 10% | | | |
| MECHANICAL DATA | | | | |
| Mounting Configuration | Standalone | | | |
| Length Breadth Height (cm) | 60 40 23 | 60 45 30 | 90 55 50 | 90 55 50 |
| Weight (kg) | 50 | 65 | 100 | 150 |

A GREEN MESSAGE

Using renewable solar energy enables us to reduce the use of fossil fuels to generate energy. Fossil fuel energy generation pollutes our environment. You are empowered to help. Do your part. Be a responsible global citizen. **SAVE GAIA.**

