

## Surya-series Solar Power Inverter



In order to power AC devices and appliances with solar energy, an inverter must be installed to change the DC power produced by the Solar PV Modules into the AC power required. This makes the inverter one of the key elements in the Solar Power System. The selection of a Solar Power Inverter is undoubtedly a critical task.

Surya-series Solar Power Inverter caters to a wide range of power consumption, from as low as 0.5kW to 10kW. This range is suitable for most residential as well as light-usage commercial applications. 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

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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	AE005-23V	AE010-23V	AE020-23V	AE030-23V
<b>DC INPUT</b>				
Rated DC Voltage (V)	24			
Nom. DC Current (A)	10	30	50	50
<b>EFFICIENCY (%)</b>	95			
<b>AC OUTPUT</b>				
Power Handling Capacity (W)	0.5K	1.0K	2.0K	3.0K
Rated AC Voltage (V)	230			
Frequency (Hz)	50			
<b>MECHANICAL DATA</b>				
Mounting Configuration	Wall-mount / Standalone			
Length   Breadth   Height (cm)	50   30   15	50   30   15	50   30   15	50   30   15
Weight (kg)	8	10	14	20

### 4000 – 10000 W

MODEL NUMBER	AE040-23V	AE060-23V	AE080-23V	AE100-23V
<b>DC INPUT</b>				
Rated DC Voltage (V)	24			
Nom. DC Current (A)	100	100	130	150
<b>EFFICIENCY (%)</b>	95			
<b>AC OUTPUT</b>				
Power Handling Capacity (W)	4.0K	6.0K	8.0K	10.0K
Rated AC Voltage (V)	230			
Frequency (Hz)	50			
<b>MECHANICAL DATA</b>				
Mounting Configuration	Wall-mount / Standalone		Standalone	
Length   Breadth   Height (cm)	60   40   23	60   40   23	60   45   30	60   45   30
Weight (kg)	28	35	42	55

### 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.**

