



ENVIRONMENTAL
POWER SOLUTIONS

PV Grid-Connect Inverter

X01 Series

Our range of grid-connect inverters feature the latest in power electronics technology and are designed for maximum efficiency, safety and power conversion from your solar module array.



HR-INV-X01-006/010

HR-INV-X01-020/030

Power Outputs available:

- 1kW (Maximum 1200W)
- 1.5kW (Maximum 1755W)
- 2.0kW (Maximum 2350W)
- 3.0kW (Maximum 3500W)

**10 Year
Warranty !**

FEATURES

- Maximum efficiency of 94.5%.
- Sealed Stainless Steel Enclosure with IP 65 protection. Indoor or Outdoor Installation.
- Independent MPPT channels for maximum power conversion.
- Isolation transformer between inverter electronics and the grid for safety and reliability.
- Earth Fault and Polarity Protection, Anti Islanding Protection.
- Easy field wiring via plug-in connection for DC, AC and communication cables.
- Inbuilt transient voltage suppression on input and output providing lightning protection.
- LED system operation lamp indicators.
- Easy to read multifunction LCD scrolling display front panel and includes the following parameters: Grid Voltage, Output Power, Daily Power, Total Power, Daily and Total Generating Time, Internal Inverter Temperature, Operational Mode, Time and Date Display.
- Inbuilt data logging and PC monitoring software included.
- Hard wire communications kit available at extra cost.

Certifications

Safety

IEC 62103:2003 (1st. Edition)

EN50178:1997

Grid Protection

DIN VDE 0126-1-1:2006

EMC

EN61000-6-1:2007

EN61000-6-3:2007

EN61000-6-2:2005

EN61000-6-4:2007

EN61000-3-2:2006

Electrical Specifications

Input	1.0kW	1.5kW	2.0kW	3.0kW
Max. DC Power (W)	1200	1755	2350	3500
Nom. Input DC Voltage	280	280	280	280
MPPT DC Voltage Range	150-400	150-400	150-400	150-400
Max. DC Input Current	6	10	6+6	10+10
MPPT Channels	1	1	2	2
Output				
Max. Output AC Power (VA)	1100	1650	2200	3300
Nom. Output AC Power (VA)	1000	1500	2000	3000
Power Factor	>0.99	>0.99	>0.99	>0.99
Output Current THD	<4%	<4%	<4%	<4%
Nom. Grid Voltage (Vrms)	240V/50Hz	240V/50Hz	240V/50Hz	240V/50Hz
Rated Output AC Current (Arms)	4.3	6.5	8.7	13.0
Max. Output AC Current (Arms)	5.0	7.0	10.0	15.0
Maximum Efficiency	>93.5	>94%	>94%	>94.5%
Packaging				
Stainless Steel Enclosure	IP65	IP65	IP65	IP65
Weight (kg)	22.5	27	36.5	42.5
Dimensions (H x W x D) mm	326 x 375 x 205	344 415 x 205	370 x 525 x 225	370 x 525 x 225
Environment				
Operating Ambient Temp. (°C)	-25 ~ +50	-25 ~ +50	25 ~ +50	-25 ~ +50
Elevation above sea level (m)	4,000	4,000	4,000	4,000



Save on your energy costs today!

Beat the rising costs for power and install a quality solar powered grid connect system for your home. Apart from saving on electricity costs, you also add value to your home and do your bit for greenhouse gas abatement.

Our qualified system components and installers mean that with government subsidies, it's more affordable than you think.

Call us today for an obligation free quotation.

Over 7 years industry experience at your service

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