

# Xantrex™ GT30E Grid Tie Solar Inverter

The new compact three-phase solar inverter



## Xantrex™ GT30E Grid Tie Solar Inverter

More than 250.000 customers around the world rely on Xantrex inverters and system components to bring them electricity every day. During the past decade our technology has generated more than 3000 megawatts of power conversion capacity.

The new three-phase Xantrex GT30E Grid Tie Solar Inverter is a 30 kW high-performance inverter that makes utility-interactive installations easier and more cost effective. It offers superior PV energy harvest, easy installation, high reliability and a compact, ultra-lightweight design.

### High-efficiency isolated HF design

- ▶ One of the highest efficiencies in the 30 kW class
- ▶ Reliable, safe electrical isolation
- ▶ Rapid Maximum Power Point Tracking

### Designed to maximize the return on investment

- ▶ Superior PV energy harvest
- ▶ Simplified, fast installation
- ▶ Excellent thermal performance

### Engineered for compatibility with thin-film technology

- ▶ Wide input voltage range
- ▶ Isolated high-frequency design
- ▶ Flexible array sizing and module selection

### Lightweight

- ▶ Lowest weight in its class at 80 kg
- ▶ Easy wall mounting
- ▶ Simplified operation and transportation
- ▶ Installation in any location

### Compact design

- ▶ Smallest enclosure size in its class
- ▶ Space-saving installation
- ▶ Multiple inverters are easily paralleled for large PV power plants

### Local service network

- ▶ Reliable customer service
- ▶ Telephone hotline
- ▶ Installation, commissioning and product training

### Manufactured in Germany

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## 30 kW Three-Phase Inverter

**Electrical Specifications**

Nominal power rating (AC)	29.9 kW
Nominal AC voltage	400 V, 3-phase
Nominal AC frequency	50 to 60 Hz
Line power factor	> 0.99 above 20% rated power
AC current distortion	< 4% THD at rated power
Nominal power (DC)	71 Adc
Night consumption	1 W
Min DC voltage for feed-in	450 Vdc
Suggested PV power	25 to 35 kWp
Nominal power rating (DC)	31.9 kW
Max open-circuit voltage	840 Vdc
Power tracking window range	450 to 800 Vdc
Max efficiency	95.0% incl. transformer
European efficiency	94.2% incl. transformer

**General Specifications**

Ambient temperature range	- 0° to 50 °C
Enclosure environmental rating	IP20 (optional IP21)
Enclosure	Powder-coated aluminum
Weight	80 kg
Dimensions (H x W x D)	710 x 475 x 347 mm
Relative humidity	0 to 95%, non-condensing

**Features and Options**

Cooling method	Temperature-dependent forced-convection cooling
Protective functions	AC over/under voltage, AC over/under frequency, over-temperature, AC and DC over-current, DC over-voltage and reverse-polarity protection
User-display standard	LCD, four-line text display with keypad
Ground-fault protection	DC isolation monitoring
Disconnects	AC contactor integral to inverter assembly
Transformer	HF - Transformer
Installation / Mounting	Prepared for wall mounting
Output relays	Four relay contacts (three user-settable)
Interfaces	RS232/485, optional telephone modem for remote system monitoring
Combiner boxes	Optional feature – includes DC over-voltage protection and disconnect, calibrated AC power metering, string fusing and monitoring, Weblog Pro and irradiance meter
Warranty	Five years (extended warranties optional)

**Approvals and Safety**

Labeled with CE mark and complies with applicable European Directives: EMC Directive: EN50081-2, EN50082-2

Low Voltage Directive: EN50178; complies with the requirements of VDEW

Note: Specifications subject to change without notice