

GT30E Grid Tie Inverter



The Compact 30 kW Three-Phase 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

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Our evolution to Schneider Electric, the global specialist in energy management, re-affirms our commitment to provide you with innovative solutions, best-in-class customer service, and exceptional quality in everything we do. We are proud to be your partner, and we are dedicated to helping you make the most of your energy.

www.xantrex.com

GT30E

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
Max continuous power (AC)	32,9 kVA
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
Enclosure	Powder-coated aluminum
Weight	80 kg
Dimensions (H x W x D)	71 x 47,5 x 34,7 cm
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