

GTW 1500 and 3000 are designed to convert sun light into electricity energy for residential applications. Furthermore, our many years of experience have come into play for deploying these inverters specifically in photovoltaic systems.



Product Features

- High conversion efficiency
- Galvanic isolation
- Excellent overload capabilities
- Control by digital signal processor (DSP)
- Boosting system with Smart Maximum Power Point Tracking function
- DSP based fully digital control to operate sophisticated algorithm
- Power Factor 0,98
- Total Harmonic Distortion according local regulations
- High Max. Efficiency 96%
- Voltage and Frequency fed according local regulations
- Friendly Human Interface
- Energy monitoring via RS485, USB or Wireless communication
- Long Life usage: MTBF > 100,000 hours

Electronic Protection Functions

- DC reverse polarity protection
- DC load-disconnecting switch
- AC short-circuit protection
- Ground fault monitoring
- Grid monitoring
- Sensitive residual current monitoring unit
- Anti-islanding function

Certificates

- Compliant with European Standard (CE)
- Compliant with UL Standard
- RoHS compliant
- Manufactured according to ISO 9001 and ISO 14001

PRODUCT NAM	GTW 1500	GTW 3000
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Input (DC)

Max. DC power	1800 W	3200 W
Max. DC voltage	400 V	600 V
PV voltage range MPPT	140 - 320V	260 - 480V
Max. input current	12,6 A	12:00 AM
Number of MPP trackers	1	1
Max. number of string (parallel)	2	3

Output (AC)

Nominal AC output	1500 W	2750 W
Max. AC output power	1700 W	3000 W
Max. ouput current	8,6 A	15 A
Nominal AC voltage / range	220 V - 240 V / 180 V - 260 V	220 V - 240 V / 180 V - 260 V
AC grid frequency (self-adjusting) / range	50 Hz / 60 Hz / +/- 4,5 Hz	50 Hz / 60 Hz / +/- 4,5 Hz
Power factor	1	1
Max. Efficiency / Euro-Eta	94%/92%	96%/95%
Ambient Temperature	-25°C	+60°C

General Data

Consumption: (standby) operation / night	< 5 W / 0,1 W	< 7 W / 0,25 W
Degree of protection	IP 65	
Dimension (X x Y x Z)	330 x 400 x 169 mm	
Weight	14 kg	18 kg

Technical data at 25°C/77°F