

GTW 1500 HF and GTW 3000 HF are the new generation of solar inverter from ProVista; the heart of your PV system is dynamic and powerful. They have been designed with the latest electronic technology available in the market so they can provide the best solution to harvest the maximum power from the solar array with high efficiency towards the grid. High Frequency Transformer Technology offers maximum output in minimum space and light weight.



Product Features

- High conversion efficiency
- Galvanic isolation with High Frequency Transformer
- 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 RS232, RS485, USB, CANBus or Wireless BlueTooth
- 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 IEC 62109-1 and 2, EN50178
- Complaint with EN61000-6-2, EN61000-6-3, EN61000-3-2 and 3
- Compliant with AS4777, DK5960, VDE 0126-1-1
- RoHS compliant
- Manufactured according to ISO 9001 and ISO 14001

PRODUCT NAME

GTW 1500HF

GTW 3000HF

Input (DC)

Max. DC power	1600 W	3150 W
Max. DC voltage	500 V	600 V
PV voltage range MPPT	175 - 450 V	210 - 550 V
Max. input current	12,6 A	15 A
Number of MPP trackers	1	1
Max. number of string (parallel)	2	2

Output (AC)

Nominal AC output	1500 W	3000 W
Max. AC apparent power	1500 VA	3000 VA
Max. output current	8,6 A	16 A
Nominal AC voltage	220 V - 240 V	220 V - 240 V
Range AC voltage	180 V - 260 V	180 V - 260 V
AC grid frequency (self-adjusting)	50 Hz / 60 Hz	50 Hz / 60 Hz
Range AC frequency	+/- 4,5 Hz	+/- 4,5 Hz
Power factor	1	1

Max. Efficiency / Euro-Eta

96%/95% 96,3%/95,5%

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 xY x Z)	330 x 400 x 170 mm	
Weight	14 kg	18 kg

Technical data at 25°C/77°F