

## GTW 1500 TL, GTW 2000 TL and GTW 3000 TL TECHNICAL SPECIFICATION

GTW 1500, 2000 and 3000 TL 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.



Product Features	PRODUCT NAME	GTW 1500TL	GTW 2000TL	GTW 3000TL
<ul style="list-style-type: none"> <li>- High conversion efficiency</li> <li>- Excellent overload capabilities</li> <li>- Control by digital signal processor (DSP)</li> <li>- Boost system with Smart MPPT function</li> <li>- Power Factor 0,98</li> <li>- Total Harmonic Distortion according local regulations</li> <li>- High Max. Efficiency 96%</li> <li>- Voltage and Frequency fed according local regulations</li> <li>- Friendly Human Interface</li> <li>- Energy monitoring via RS232, RS485, USB, CANBus or Wireless BlueTooth</li> <li>- Long Life usage: MTBF &gt; 100,000 hours</li> </ul>	<b>Input (DC)</b>			
	Max. DC power	1800 W	2300 W	3300 W
	Max. DC voltage	450 V	450 V	500 V
	PV voltage range MPPT	160 - 400 V	160 - 400 V	160 - 450 V
	Max. input current	12 A	15 A	18 A
	Number of MPP trackers	1	1	2
	Max. number of string (parallel)	2	2	2
	<b>Output (AC)</b>			
	Nominal AC output	1500 W	2000 W	3000 W
	Max. AC apparent power	1500 VA	2000 VA	3000 VA
	Max. output current	8,6 A	12 A	16 A
	Nominal AC voltage	220 V - 240 V	220 V - 240 V	220 V - 240 V
	Range AC voltage	180 V - 260 V	180 V - 260 V	180 V - 260 V
	AC grid frequency (self-adjusting)	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
	<b>Electronic Protection Functions</b>			
- 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				
	<b>Range AC frequency</b>	+/- 4,5 Hz	+/- 4,5 Hz	+/- 4,5 Hz
	<b>Power factor</b>	1	1	1
	<b>Max. Efficiency / Euro-Eta</b>	96,5%/95,3%	97,0%/95,5%	97,0%/95,5%
	<b>Ambient Temperature</b>		-25°C ..... +60°C	
	<b>General Data</b>			
	Consumption: (standby) operation / night	< 5 W / 0,1 W	< 7 W / 0,25 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	18 kg
	<b>Certificates</b>	<b>Technical data at 25°C/77°F</b>		
- 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				