

PLATINUM INVERTER TL



Top-class performance data

■ **A universal device for all countries**
Adapting the country settings on site is quick and easy and can be done by the installer without any additional tool.

This will **simplify** the storage and ordering processes in your business with international clients considerably. Currently, **20 *** countries** are supported.

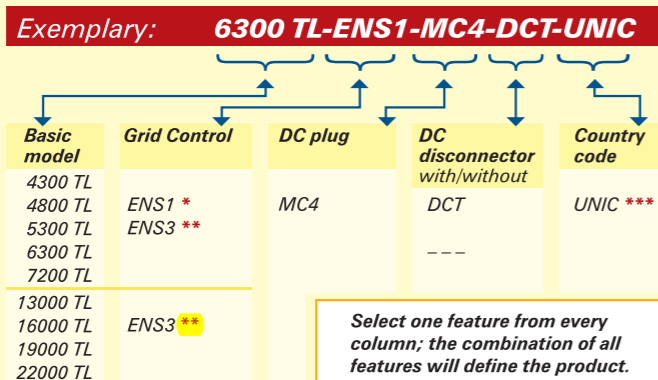


Technical data

(For tips on how to find your perfect model configuration, see the lower left corner of this spread.)

Input characteristics	4300 TL	4800 TL	5300 TL	6300 TL	7200 TL	13000 TL	16000 TL	19000 TL	22000 TL
Max. PV power	4,900 Wp	5,400 Wp	6,000 Wp	7,100 Wp	8,000 Wp	14,700 Wp	18,000 Wp	21,300 Wp	24,000 Wp
Max. DC power	4,300 W	4,800 W	5,300 W	6,300 W	7,200 W	12,900 W	15,900 W	18,900 W	21,600 W
PV voltage range MPPT	351 V–710 V	348 V–710 V	349 V–710 V	350 V–710 V	351 V–710 V	351 V–710 V	349 V–710 V	350 V–710 V	351 V–710 V
Max. DC voltage	880 V								
Max. input current	13.0 A	14.5 A	16.0 A	18.5 A	21.0 A	3 x 13.0 A	3 x 16.0 A	3 x 18.5 A	3 x 21.0 A
Number of string inputs	2	2	2	3	3	6	6	9	9
Number of MPP trackers	1			3			3		
DC disconnect	optional								
Reverse voltage protection	yes								
Earth fault monitoring	Isolation control								
Output characteristics									
Nominal AC power (Cos Phi = 1)	3,750 W	4,200 W	4,600 W	5,500 W	6,300 W	11,250 W	13,800 W	16,500 W	18,900 W
Nominal AC current	16.3 A	18.3 A	20.0 A	23.9 A	27.4 A	16.3 A	20.0 A	23.9 A	27.4 A
Max. AC power (Cos Phi = 1)	4,120 W	4,600 W	5,000 W	6,000 W	6,900 W	12,360 W	15,000 W	18,000 W	20,700 W
Max. AC current	17.9 A	20.0 A	21.7 A	26.1 A	30.0 A	17.9 A	21.7 A	26.1 A	30.0 A
Feed operation starts at	7 W	7 W	7 W	8 W	8 W	21 W	21 W	24 W	24 W
Mains output voltage range	230 V (+/- 20 %)					3 AC 230 V/400 V +N (+/- 20 %)			
Internal consumption at night	lower than 2 W					lower than 6 W			
Mains frequency range	50 Hz (+/-20 %)								
Short-circuit proof	yes								
Cos Phi (Medium voltage directive)	0.9 i to 0.9 c (Modell 2011)								
Earth fault monitoring	RCD								
Interfaces									
DC input	Multicontact MC4								
AC output	Spring clamp connectors								
PLATINUM network	EIA 485, 2 x RJ 45 Western Modular add. plug connector with screw terminals								
Service interface	EIA 232, SubD 9-pole socket								
Potential-free relay contact	1 normally open contact, max. 24 V _{AC} /2 A, plug connector with screw terminals								
Device data									
Max. conversion efficiency	97.3 %	97.4 %	97.4 %	97.7 %	98.0 %	97.3 %	97.4 %	97.7 %	98.0 %
European efficiency	96.8 %	97.0 %	97.0 %	97.3 %	97.6 %	96.8 %	97.0 %	97.3 %	97.6 %
Weight	27 kg	28 kg	28 kg	29 kg	29 kg	81 kg	84 kg	87 kg	87 kg
Dimensions	H 720 x W 320 x D 250 mm					H 743 x W 972 x D 262 mm			
Working temperature range	-20 °C to +60 °C								
Max. temperature during operation at nominal power output	+45 °C								
Storage temperature	-25 °C to +80 °C								
Protection type (except digital interface)	IP 66 according DIN EN 60529					IP 65 according DIN EN 60529			
Optical display	Full graphic LCD 170 x 76 pixels								
Integrated datalogger	Storage capacity sufficient for 30 yrs operating time								
Circuit concept	Transformerless, DIVE®, RAC-MPP® technology, ENS according to VDE 0126-1-1								

Selection of model configurations



* **ENS1:** The automatic network monitoring functions exclusively on the phase the inverter is feeding on. The models 13000 TL through 22000 TL are only available with ENS1.

** **ENS3:** In this model, the network monitoring functions simultaneously on all three phases. As in the ENS1 model, the inverter feeds only on one phase.

*** **The following 20 countries can be set:** Australia, Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, UK, External ENS