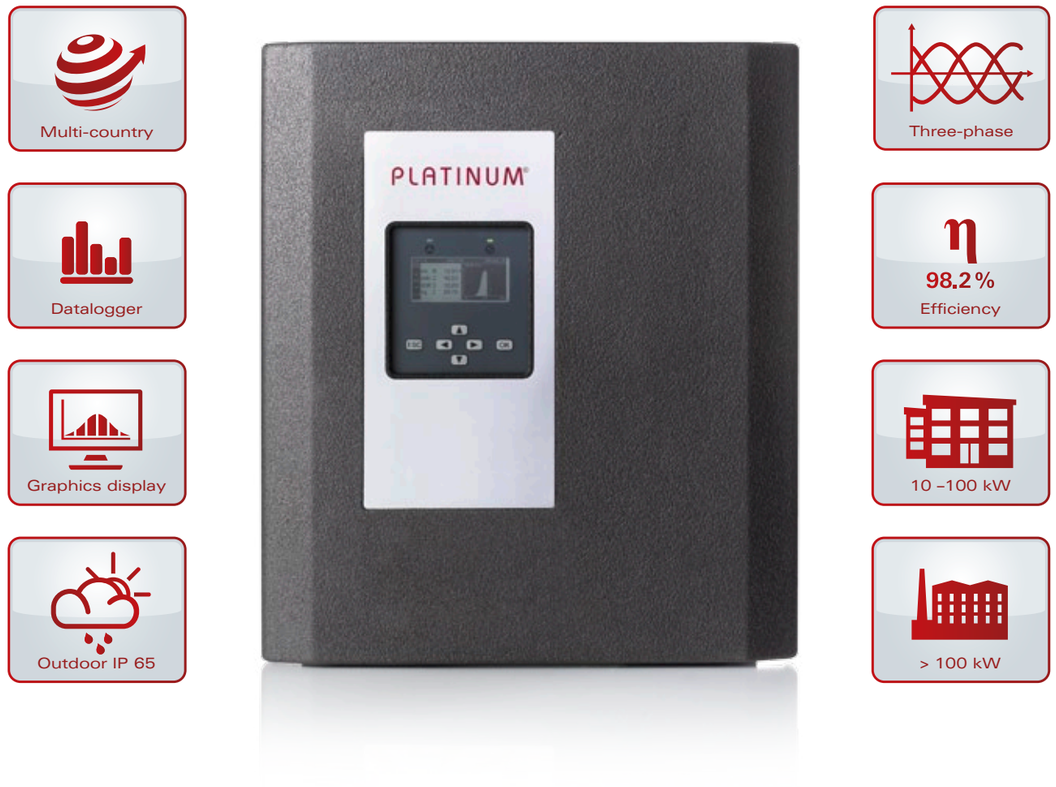
An outstanding top performer – three-phase from 11 to 20 kW. The PLATINUM® TL3 inverter.

Thanks to the highly efficient circuit topology across a wide input voltage range, the PLATINUM® TL3 inverter can deliver efficiency of up to 98.2 %. The three-phase feed-in eliminates the risk of unbalance between phase loads. The PLATINUM® network and standardised connections ensure that networking of the multi-country-device could not be easier. As all programming is performed via the PLATINUM® network EIA 485, all of the adjustments made to device settings are automatically transmitted to all connected inverters. All of the key operating data can be clearly read from the graphics display – even at night. The range contains four models from 11 to 20 kW.

- Efficiency up to 98.2 %
- Integrated datalogger provides storage capacity for 30 years worth of operating data
- Convection cooling
- Weight: 40 kg
- Protection class IP 65



All PLATINUM® TL3 models are compliant with the “Energy Management (§6 EEG)” market requirement specification, the “Technical Guidelines for Power Generating Plants Connected to the Medium Voltage Grid” and the “Low-voltage Directive AR-N-4105”. This supersedes directive VDE 0126-1-1.

Specifications

TL3 Inverter	11000 TL3	13000 TL3	17000 TL3	20000 TL3
DC Input				
Max. PV power	11,000 Wp	13,600 Wp	18,100 Wp	21,200 Wp
Max. DC power (@ cos phi = 1)	10,300 W	12,800 W	16,900 W	19,650 W
MPPT voltage range	380 V ... 850 V	420 V ... 850 V	445 V ... 850 V	480 V ... 850 V
Max. input voltage	1000 V			
Max. MPPT input current	29.0 A	30.0 A	38.5 A	41.0 A
Number of string inputs	4		6	
Number of MPP trackers	1			
DC disconnect	integrated in the device			
Reverse polarity protection	yes			
DC short circuit current	50 A			
Ground fault monitoring	isolation control			
AC Output				
Rated power (@ cos phi = 1)	10,000 W	12,400 W	16,500 W	19,200 W
Rated current	14.5 A	18.0 A	23.9 A	27.8 A
Max. apparent power	10,000 VA	12,400 VA	16,500 VA	19,200 VA
Max. AC current	18.0 A	18.0 A	29.0 A	29.0 A
Power feed starts at	20 W			
Mains output voltage	3AC 400 V + N (+/-20 %)			
Feed in phases / connection phases	3 feed in phases / 3 connection phases			
Max. permitted grid impedance |Zmax| (EN 61000-3-11)	n/a	422 mΩ	318 mΩ	273 mΩ
Standby consumption	< 2.5 W			
Mains frequency	50 Hz / 60 Hz (+/-5 %)			
Short circuit resistance	yes			
Power factor (cos phi)	0.9 ind. ... 0.9 cap.			
Ground fault monitoring	RCD			
Interfaces				
DC connection	Multicontact MC4			
AC connection	Phoenix plug connector (supplied)			
Interfaces	PLATINUM® network EIA 485, 2 x RJ45 and screw terminals			
Alarm relay	max. 24 V_{AC} / 2 A, screw terminals			
Appliance data				
Maximum efficiency	98.0 %	98.0 %	98.2 %	98.2 %
European efficiency	97.4 %	97.5 %	97.8 %	97.8 %
Weight	39 kg	39 kg	40 kg	40 kg
Dimensions	H 626 x W 543 x D 281 mm			
Operating temperature	-25 °C ... +55 °C			
Storage temperature	-20 °C ... +70 °C			
Relative humidity (non-condensing)	0 % ... 93 %			
Altitude at rated power	2,000 m / 6,560 ft			
Protection degree (except digital interface)	IP 65 according to DIN EN 60529			
Protection class / overvoltage category	I / III			
Display	graphic LCD 170 x 76 pixels			
Data logger	storage capacity sufficient for 30 years operating time			
System topology	transformerless, 3-phase high-performance topology			
Cooling	convection cooling			
Standards / grid codes	VDE 0126-1-1, VDE AR-N 4105, BDEW-2008, CEI 0-21, C10/11, G59/2, EN 50438, ÖNORM E8001-4-712, UTE C 15-712-1, RD 1663/661, IEC 62109, AS 4777.			
Warranty	5 years			
Type designation	**11000 TL3**	**13000 TL3**	**17000 TL3**	**20000 TL3**

Subject to alterations. More than 45 countries are currently supported. An up-to-date type designation list can be found in the download area on our website under Certificates/Overview (as at May 2012).