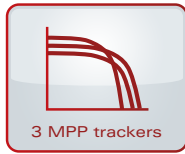


Delivering an impressive efficiency of 98 %.
The three-phase PLATINUM® TL inverter.



Warranty



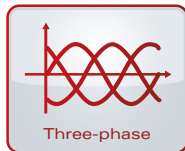
3 MPP trackers



Graphics display



Outdoor IP 66



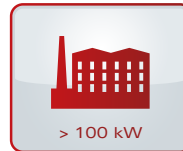
Three-phase



Efficiency



10 -100 kW



> 100 kW



Shading

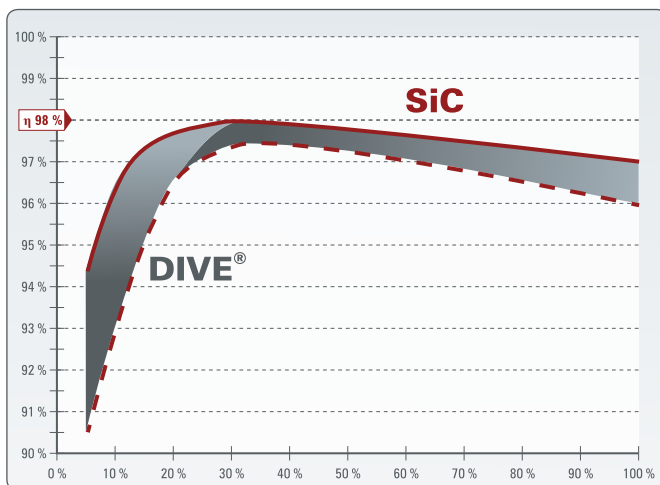
All PLATINUM® TL models are compliant with the “Energy Management (§6 EEG)” market requirement specification, the “Technical Guidelines for Power Generating Plants Connected to the Medium Voltage Grid” and the “Low-voltage Directive AR-N-4105” as of its coming into effect as the successor directive of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

PLATINUM®
Next Energy Solution.

This three-phase TL inverter impresses with a peak efficiency of 98.0 %. This is largely down to the increase in efficiency particularly in the lower output range achieved by the use of state-of-the-art SiC components in conjunction with the innovative DIVE® technology. The three-phase TL series is designed and constructed to meet the requirements of protection class IP 65 and is therefore suitable for outdoor applications. One main advantage for users is the ease with which the system can be taken into operation via the PLATINUM® network EIA 485: the inputs that are programmed at an inverter are transmitted to all networked devices. All of the key operating data can be clearly read off from the graphics display – even at night. The range includes five three-phase models ranging from 13 to 22 kW.

- Maximum efficiency 98.0 %
- 3 independent MPP trackers
- Integrated datalogger provides storage capacity for 30 years worth of operating data
- Exceptionally wide DC input voltage range
- DIVE® technology for increased efficiency in the lower power output range
- RAC-MPP® technology for rapid MPP tracking
- Suitable for universal use thanks to multi-country configuration
- Free 10-year manufacturer's warranty

Maximised efficiency thanks to SiC and DIVE® technology.



SiC (silicon carbide semiconductor technology)
DIVE® (Dynamic Input Value Enhancement)

Intelligent power bundling for outdoor applications.

The PLATINUM® PowerBlock.

Specially developed for extreme outdoor weather conditions, the PLATINUM® PowerBlock system is a genuine alternative to central inverters. The compact



and robust housing offers optimum protection against rain, hail, sunshine etc.

Specifications

TL inverter	19000 TL	22000 TL
DC Input		
Max. PV power	21,300 Wp	24,000 Wp
Max. DC power	18,900 W	21,600 W
MPPT voltage range	3x 350 ... 710 V	3x 351 ... 710 V
Max. input voltage		880 V
Max. MPPT inout current	3 x 18.5 A	3 x 21 A
Number of string inputs	2 / 2 / 2	2 / 2 / 2
Number of MPP trackers		3
DC disconnect		○
DC short circuit current	3 x 26 A	3 x 29 A
Reverse polarity protection / Ground fault monitoring (isolation check)		● / ●
AC Output		
Rated power	18,000 W	20,700 W
Rated current	3 x 26.1 A	3 x 30 A
Max. apparent power	18,000 VA	20,700 VA
Max. AC current	3 x 26.1 A	3 x 30 A
Power feed starts at		24 W
Mains output voltage		3AC 230 V / 400 V (+/-20 %)
Feed in phases / connection phases		3 / 3
Max. permitted grid impedance <small>[Z_{max}] (EN 61000-3-11)</small>	290 mΩ	253 mΩ
Standby consumption		3 W
Mains frequency		50 Hz (+/-5 %)
Power factor <small>(cos phi) (ind ... kap)</small>		0,7 ... 0,7
Short circuit resistance / Ground fault monitoring (RCD)		● / ●
Interfaces		
DC connection		MC4
AC connection		Spring clamp connectors
RS 485 (Clamps / RJ45)		● / ●
Ethernet / CAN		- / -
Integrated web server		-
Alarm relay		24 V _{AC} / 2 A
Appliance data		
Max. efficiency	97.9 %	98.0 %
European efficiency		97.5 %
Weight		87 kg
Dimensions (H x W x D in mm)		743 x 972 x 262
Operating temperature		-20 ... +60 °C
Storage temperature		-25 ... +80 °C
Relative humidity		0 ... 95 %
Altitude at rated power		2.000 m / 6.560 ft
Protection degree (DIN EN 60529)		IP 65
Protection class / overvoltage category		I / Type 3
Full graphic display <small>(color / monochrome)</small>		- / ●
Storage capacity data logger		30 years
System topology		Transformerless
Cooling		Fan
Standards / grid codes		Overview at www.platinum-nes.com
Warranty		10 years
Type designation	19000 TLD	22000 TLD

Subject to alterations. Valid as of 01/2014. More than 45 countries are currently supported. The current list is available from the download area of our homepage www.platinum-nes.com

● Standard ○ Optional - Not available

German Efficiency. PLATINUM®.

Since the founding in 2004, PLATINUM® inverters rank among the Champions League of the international inverter manufacturers. Continuing innovativeness and a unique service pledge helped PLATINUM® to secure its position as a premium manufacturer for string inverters. As of today, the installed base is above one gigawatt worldwide. The award-winning inverters convince through the highest protection degree in the market and maximum efficiency of 98.6% in a surpassingly wide voltage range.

Development, production and service is handled in the headquarters in Wangen im Allgäu. From here "Made in Germany" is lived as our promise to our customers. The electro-technical know-how of Diehl Controls assures the highest possible quality. PLATINUM® vouches for this quality level by delivering its products with a standard warranty of 10 years.
PLATINUM® - Next Energy Solution.



Your sales partner:

Placeholder for a sales partner logo or name, consisting of four L-shaped corner brackets forming a square.

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