

# Setting the standard for isolated string inverters. The PLATINUM® H inverter.

The PLATINUM® H inverter offers safety, user-friendliness and the highest degree of efficiency in the isolated inverter market. Thanks to the low weight of these units and the fact that all settings can be adjusted directly on the inverter, installation is made a lot easier and requires no additional software tools. Excellent information is provided by the graphics display and the integrated web server, which allows the unit to be monitored from a PC in real-time. The PLATINUM® H series includes four models ranging from 2.1 to 4.6 kW and is suitable for all module types.

- Efficiency up to 97.3 %
- Purely convection-cooled
- Weight: 19 – 21 kg
- Integrated web server
- Graphics display
- Free 10-year manufacturer's warranty
- Suitable for universal use thanks to multi-country configuration



Warranty



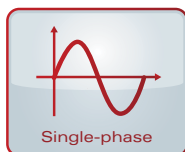
Web server



Graphics display



Outdoor IP 65



Single-phase



97.3%  
Efficiency



HF transformer



< 25 kW



10 – 100 kW

The new PLATINUM® H series satisfies the "Energy Management (§6 EEG)" market requirement specification and the "Low-voltage Directive VDE AR-N-4105".

**PLATINUM®**  
Next Energy Solution.

Specifications				
H inverter	2100 H	3000 H	4000 H	4600 H
<b>DC Input</b>				
Max. PV power	2,350 Wp	3,450 Wp	4,450 Wp	5,150 Wp
Max. DC power (@ cos phi = 1)	2,100 W	3,000 W	4,000 W	4,600 W
MPPT voltage range	230 ... 480 V			
Max. input voltage	600 V			
Max. MPPT inout current	9.5 A	13.5 A	18 A	21 A
Number of string inputs	3			
Number of MPP trackers	1			
DC disconnecter	○			
DC short circuit current	14.2 A	20.2 A	27 A	31.5 A
Reverse polarity protection / Ground fault monitoring (isolation check)	● / ●			
<b>AC Output</b>				
Rated power (@ cos phi = 1)	2,000 W	2,900 W	3,800 W	4,400 W
Rated current	9 A	13 A	17 A (16 A*)	20 A (16 A*)
Max. apparent power	2,000 VA	2,900 VA	3,800 VA	4,400 VA
Max. AC current	10.5 A	15.2 A	19.7 A	23 A
Power feed starts at	7 W			
Mains output voltage	230 V (+/-20 %)			
Feed in phases / connection phases	1 / 3			
Max. permitted grid impedance  Z <sub>max</sub>   (EN 61000-3-11)	–		446 mΩ	379 mΩ
Standby consumption	1 W			
Mains frequency	50 Hz (+/-10 %)			
Power factor (cos phi) (ind ... kap)	0.9 ... 0.9			
Short circuit resistance / Ground fault monitoring (RCD)	● / –			
<b>Interfaces</b>				
DC connection	MC4			
AC connection	Screw clamp connectors			
RS 485 (Clamps / RJ45)	● / –			
Ethernet / CAN	● / ●			
Integrated web server	●			
Alarm relay	–			
<b>Appliance data</b>				
Max. efficiency	96.9 %	97.0 %	97.2 %	97.3 %
European efficiency	96.0 %	96.2 %	96.6 %	96.9 %
Weight	19 kg		21 kg	
Dimensions (H x W x D in mm)	610 x 353 x 154			
Operating temperature	-25 ... +65 °C			
Storage temperature	-30 ... +80 °C			
Relative humidity	4 ... 99 %			
Altitude at rated power	2,000 m / 6,560 ft			
Protection degree (except digital interface)	IP 65			
Protection class / overvoltage category	I / Type 3			
Full graphic display (color / monochrome)	● / –			
Storage capacity data logger	30 Years			
System topology	HF transformer			
Cooling	Fan			
Standards / grid codes	VDE 0126-1-1, VDE AR-N 4105, CEI 0-21, C10/11, G83/1, EN 50438, ÖNORM E8001-4-712, UTE C15-712-1, IEC 62109			
Warranty	10 Years			
<b>Type designation</b>	<b>2100 H</b>	<b>3000 H</b>	<b>4000 H</b>	<b>4600 H</b>

\*UK and Denmark: 16 A variable current limiter  
Subject to alterations. Valid as of 04/2013. More than 45 countries are currently supported. The current list is available from the download area of our homepage [www.platinum-nes.com](http://www.platinum-nes.com)

● Standard   ○ Optional   – Not available

# An independent player in the market. The company PLATINUM®.

Originally set up by Diehl Controls, PLATINUM® is trading since 1st April 2013 as an autonomous company belonging to the mutares AG, Munich. So the premium brand from the Allgäu, Germany can distinguish and rise even more. But the same competent, effective and highly capable team is working behind the scenes. The inverters are still manufactured in the Allgäu by Diehl Controls while PLATINUM® develops and sells the inverters.

Therefore the product quality remains at the usual high standard while the strategic new realigned PLATINUM® will set their focus even more on intense consulting, service and training. Our promise: Next energy solution.



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