

More sun to the grid.
Technology that brings out the best.
PLATINUM® Inverter,
Monitoring & Energy Management.





Delivering more solar power to the grid. Welcome to PLATINUM®.



Dear PLATINUM® customers and partners,

the more turbulent the times, the more important it is to have consistent suppliers and reliable business partners. The catalogue you are now holding in your hands does more than simply inform you about our range of products. It is also a symbol of the on-going development and progression of the PLATINUM® brand. Six years ago, after a very short development time, we launched three models in our S series of inverters – a series that takes full advantage of our know-how in the field of household appliances. Thanks to the strong performance and excellent quality of the PLATINUM® range of devices, we have attracted and been able to impress more and more customers. The range now includes some 34 inverters, suitable monitoring equipment and innovative energy management solutions. There are two particular innovations I would like to highlight: the H inverter with its high-frequency transformer and the three-phase R3. I think you will be thoroughly impressed with both, as they deliver the utmost in efficiency and quality at competitive prices.

However, it is not just technically that we have continuously evolved. As a brand, PLATINUM® is now establishing itself more and more in the market. We have created a new visual identity both for our products and our marketing in order to position the PLATINUM® brand even more clearly and to make it even more attractive.

We are delighted to provide you with this catalogue and hope it will assist you in the selection of our products.

We wish you lots of success during these stormy times for the photovoltaics industry!

Klaus Frehner CEO Photovoltaics









Maximises performance and gets everything across: our technology. The PLATINUM® range of inverters.





High efficiency, comprehensive data information, ease of handling: alongside their superior quality, PLATINUM® inverters deliver everything that counts in the world of photovoltaics. With an efficiency of 98.4%, they are among the most efficient in the entire industry. They provide users with an extensive array of information. The display on the device shows up-to-the-minute current and voltage data for the AC and DC side, as well as the yield values for the day, week, month and year. All this is available 24 hours a day, with enough storage capacity for 30 years' worth of data via the integrated datalogger. Connection couldn't be easier thanks to our quick and easy installation and commissioning. The entire PLATINUM® range are multi-country devices, and can thus be configured as such.

The PLATINUM® product range includes string inverters in the output class from 2 to 22 kW. We also offer inverters with single and three-phase feed-in, with or without a transformer. With devices in the protection classes IP 65 and IP 66 and the PowerBlock system, the PLATINUM® range also covers outdoor applications. Whether for a single-family detached house, a commercial roof-mounted system or open-field installations – PLATINUM® offers the right device for every requirement.

Maximum reliability. Even under difficult conditions. The PLATINUM® S inverter.

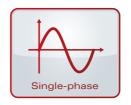


















Based on the circuit principle of 'galvanic isolation', PLATINUM® S inverters offer maximum levels of safety and reliability combined with a high degree of efficiency in the class of transformer inverters. Even under extreme or heavily fluctuating ambient conditions, these units are temperature-resistant and operate reliably. Installation is made quick and easy by the DC and AC connectors. All of the key operating data can be clearly read from the graphics display – even at night. The range contains eight models with a maximum output ranging from 2.1 to 4.6 kW. Two string inputs are provided for units with an output of 3.8 kW or higher.

Important note: In order to comply with legal requirements, this model is no longer approved for the German market.

- Low-frequency transformer: suitable for thin film modules
- RAC-MPP® technology for rapid MPP location
- Optimised data transfer and networking with other PLATINUM® inverters and monitoring devices via the PLATINUM® network EIA 485
- Convection cooling
- Extremely wide range of input voltages
- Integrated datalogger provides storage capacity for 30 years worth of operating data
- 10-year free manufacturer's warranty



The PLATINUM® PowerBlock.

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

pact, robust housing enables installation of up to six inverters, thereby offering optimum protection against rain, hail, sunshine etc.



Specifications					
S Inverter	2100 S	2800 S	3100 S	3800 S	
DC Input					
Max. PV power	2,300 Wp	3,200 Wp	3,450 Wp	4,200 Wp	
Max. DC power (@ cos phi = 1)	2,100 W	2,800 W	3,100 W	3,800 W	
MPPT voltage range	206 V 390 V	313 V 630 V	314 V 630 V	315 V 630 V	
Max. input voltage	480 V	780 V	780 V	780 V	
Max. MPPT input current	9.0 A	9.0 A	9.0 A	12.0 A	
Number of string inputs	1	1	1	2	
Number of MPP trackers		1			
DC disconnect		optional, dev	ice integrated		
Reverse polarity protection		У	es		
DC short circuit current	13 A	13 A	13 A	17 A	
Ground fault monitoring		isolation control	(can be activated)		
AC Output					
Rated power (@ cos phi = 1)	1,750 W	2,400 W	2,550 W	3,300 W	
Rated current	7.6 A	10.4 A	11.1 A	14.3 A	
Max. apparent power	1,900 VA	2,600 VA	2,800 VA	3,600 VA	
Max. AC current	8.3 A	11.3 A	12.2 A	15.7 A	
Power feed starts at	13 W	14 W	14 W	18 W	
Mains output voltage		230 V (-	+/-20 %)	,	
Feed in phases / connection phases	1 feed in phase / 1 or 3 connection phases				
Max. permitted grid impedance Zmax (EN 61000-3-11)	n/a				
Standby consumption	<2.5 W				
Mains frequency	50 Hz (+/-5 %)				
Short circuit resistance	yes				
Power factor (cos phi)	1				
Ground fault monitoring			-		
Interfaces					
DC connection	Multicontact MC4				
AC connection	Wieland RST 3i / 5i				
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	94.7 %	95.3 %	95.3 %	95.6 %	
European efficiency	93.7 %	94.4 %	94.4 %	94.6 %	
Weight	30 kg	35 kg	35 kg	42 kg	
Dimensions			0 x D 250 mm		
Operating temperature			+60 °C		
Storage temperature			+80 °C		
Relative humidity (non-condensing)			. 95 %		
Altitude at rated power			/ 6,560 ft		
Protection degree (except digital interface)			to DIN EN 60529		
Protection class / overvoltage category			III		
Display			170 x 76 pixels		
Data logger	etr		for 30 years operating ti	me	
System topology	310		C-MPP® technology	-	
Cooling	convection cooling	Er dansionner, IIA	fan		
Standards / grid codes			50438, EN 50178, ÖNO 663, AS 4777, AS 3100	RM E8001-4-712,	
Warranty			/ears		
Type designation	2100 S	2800 S	3100 S	3800 S	

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). Due to legal guidelines, this model is no longer approved for the German market.

Specifications				
S Inverter	4300 S	4301 S	4600 S	4601 S
OC Input				
Лах. PV power	4,800 Wp	4,800 Wp	5,100 Wp	5,100 Wp
Max. DC power (@ cos phi = 1)	4,300 W	4,300 W	4,600 W	4,600 W
IPPT voltage range	320 V 630 V	277 V 470 V	320 V 630 V	278 V 470
Лах. input voltage	780 V	580 V	780 V	580 V
Max. MPPT input current	12.5 A	15.0 A	13.0 A	16.0 A
lumber of string inputs	2	2	2	2
lumber of MPP trackers	1			
OC disconnect		optional, dev	ice integrated	
Reverse polarity protection		У	es	
OC short circuit current	18 A	21 A	18 A	22 A
Ground fault monitoring		isolation control	(can be activated)	
AC Output				
Rated power (@ cos phi = 1)	3,680 W	3,680 W	3,800 W	3,800 W
lated current	16.0 A	16.0 A	16.5 A	16.5 A
Nax. apparent power	4,050 VA	4,050 VA	4,200 VA	4,200 VA
Max. AC current	17.6 A	17.6 A	18.3 A	18.3 A
ower feed starts at	18 W	17 W	18 W	17 W
lains output voltage		230 V (-	+/-20 %)	
eed in phases / connection phases		1 feed in phase / 1 or	3 connection phases	
/lax. permitted grid impedance Zmax (EN 61000-3-11)	n	ı/a	460 mΩ	460 mΩ
tandby consumption		<2.	5 W	1
Aains frequency	50 Hz (+/-5 %)			
Short circuit resistance	yes			
Power factor (cos phi)		-	1	
Ground fault monitoring			-	
Interfaces		_	_	_
OC connection		Multicon	tact MC4	
AC connection	Wieland RST 3i / 5i			
nterfaces	PI ATI	NUM® network EIA 485.		minals
Alarm relay	12/11		, screw terminals	Timidio .
Appliance data		max. 21 v _{AC} / 27	, solow torrinals	
Maximum efficiency	95.6 %	94.6 %	95.6 %	94.6 %
•				
uropean efficiency	94.7 %	93.9 %	94.8 %	93.8 %
Veight	42 kg	43 kg	42 kg	43 kg
limensions			0 x D 250 mm	
perating temperature			+60 °C	
torage temperature			+80 °C	
Relative humidity (non-condensing)			. 95 %	
Altitude at rated power			/ 6,560 ft	
Protection degree (except digital interface)			to DIN EN 60529	
rotection class / overvoltage category			'III	
isplay			170 x 76 pixels	
Oata logger	sto	orage capacity sufficient		me
System topology			C-MPP® technology	
Cooling			an	
Standards / grid codes	VDE 0126-1-1, C10/11, G83/1, G59/2, EN 50438, EN 50178, ÖNORM E8001-4-712, UTE C15-712-1, RD 1663, AS 4777, AS 3100			
	10 years			

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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 of up to 97.3 %
- Convection cooling
- Weight: 19 21 kg
- Integrated web server
- Graphics display
- 10-year free manufacturer's warranty



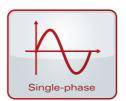




















The new PLATINUM® H series satisfies the "Energy Management (§6 EEG)" market requirement specification and the "Low-voltage Directive VDE AR-N-4105".

Specifications				
H Inverter	2100 H	3000 H	4000 H	4600 H
DC Input				
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 \	V 480 V	
Max. input voltage		6	600 V	
Max. MPPT input current	9.5 A	13.5 A	18.0 A	21.0 A
Number of string inputs			3	
Number of MPP trackers			1	
DC disconnect	optional, device integrated			
Reverse polarity protection			yes	
DC short circuit current	14.2 A	20.2 A	27 A	31.5 A
Ground fault monitoring	14.2 A		on control	31.5 A
		ISOIati	on control	
AC Output	0.000.144	0.000.144	0.000144	4.400.144
Rated power (@ cos phi = 1)	2,000 W	2,900 W	3,800 W	4,400 W
Rated current	9.0 A	13.0 A	17.0 A (16.0 A*)	20.0 A (16.0 A ³
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	23.0 A
Power feed starts at			7 W	
Mains output voltage		230 V	(+/-20 %)	
Feed in phases / connection phases		1 feed in phase	1 connection phase	
Max. permitted grid impedance Zmax (EN 61000-3-11)	n	/a	446 mΩ	379 mΩ
Standby consumption	< 1 W			
Mains frequency	50 Hz (+/-10 %)			
Short circuit resistance			yes	
Power factor (cos phi)		0.9 ind	0.9 сар.	
Ground fault monitoring			-	
Interfaces				
DC connection		Multico	ontact MC4	
AC connection	screw terminals			
Interfaces	Ethernet / CAN			
Alarm relay			-	
Appliance data				
Maximum efficiency	96.9 %	97.0 %	97.2 %	97.3 %
European efficiency	96.0 %	96.2 %	96.6 %	96.9 %
Weight	19 kg	19 kg	21 kg	21 kg
Dimensions	15 Kg	_	353 x D 154 mm	21 kg
			5 +65 °C	
Operating temperature				
Storage temperature			+80 °C	
Relative humidity (non-condensing)			99 %	
Altitude at rated power			n / 6,560 ft	
Protection degree	IP 65 according to DIN EN 60529			
Protection class / overvoltage category			1 / 111	
Display	graphic color LCD, three LEDs for visual status indication			ation
Data logger	storage capacity sufficient for 20 years operating time / integrated webserver			ated webserver
System topology	HF transformer with galvanic isolation			
Cooling		convec	tion cooling	
Standards / grid codes	VDE 0126-1-1, VDE A	VDE 0126-1-1, VDE AR-N 4105, CEI 0-21, C10/11, G83/1, EN 50438, ÖNORM E8001-4-7 UTE C15-712-1, RD 1663, IEC 62109		
Warranty		10) years	
Type designation	2100 H	3000 H	4000 H	4600 H

*UK and Denmark: Adjustable current limit of 16 A.
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Delivering high performance without compromise: efficiency rates of up to 98 %. The single-phase PLATINUM® TL inverter.



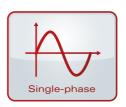














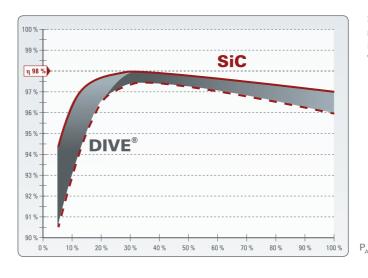




The increased efficiency specifically in the lower power output range resulting from the combination of stateof-the-art SiC components and the innovative DIVE® technology is the key factor that contributes to the peak efficiency of 98%. As it has been designed and built to meet the requirements of protection class IP 66, the TL series is exceptionally well suited to outdoor installation. One particular advantage in use is the ease with which these units can be connected up via the PLATINUM® network EIA 485. Thanks to the automatic master programming employed in this system, all of the device settings are transmitted to all connected inverters. All of the key operating data can be clearly read from the graphics display – even at night. The TL series covers seven single-phase models ranging from 3.4 to 7.2 kW.

- Efficiency of 98 %
- Integrated phase balancing function
- 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 location
- 10-year free 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 com-

pact, robust housing enables installation of up to six inverters, thereby offering optimum protection against rain, hail, sunshine etc.



TL Inverter	3801 TL	3800 TL	4300 TL	4800 TL
DC Input	3301 12	3000 12	4000 12	4000 12
Max. PV power	4,000 Wp	4,300 Wp	4,900 Wp	5,400 Wp
Max. DC power (@ cos phi = 1)	3,480 W	3,800 W	4,300 W	4,800 W
MPPT voltage range	349 V 710 V	350 V 710 V	351 V 710 V	348 V 710 V
Max. input voltage	349 V 710 V		331 V 710 V	340 V 710 V
Max. MPPT input current	10.5 A	11.5 A	13.0 A	14.5 A
·	2	2	2	2
Number of string inputs Number of MPP trackers	Z		1	
DC disconnect			rice integrated	
Reverse polarity protection				
DC short circuit current	15 A	16 A	es 18 A	20 A
Ground fault monitoring	15 A		n control	20 A
<u> </u>		ISOIATIOI	n control	
AC Output	2.220.144	2.000.144	4.100.144	4.000 144
Rated power (@ cos phi = 1)	3,330 W	3,680 W	4,120 W	4,600 W
Rated current	14.5 A	16.0 A	17.9 A	20.0 A
Max. apparent power	3,330 VA	3,680 VA	4,120 VA	4,600 VA
Max. AC current	14.5 A	16.0 A	17.9 A	20.0 A
Power feed starts at	7 W	7 W	7 W	7 W
Mains output voltage		230 V (+/-20 %)		
Feed in phases / connection phases		1 feed in phase / 1 or 3 connection phases		
Max. permitted grid impedance Zmax (EN 61000-3-11)	n,		424 mΩ	379 mΩ
Standby consumption	< 2 W			
Mains frequency	50 Hz (+/- 5 %)			
Short circuit resistance			es	
Power factor (cos phi)	0.7 ind 0.7 cap.			
Ground fault monitoring	RCD			
Interfaces				
DC connection		Multicon	ntact MC4	
AC connection	spring clamp connectors			
Interfaces	PLATINUM® network EIA 485, 2 x RJ45 and screw terminals			
Alarm relay		max. 24 V _{AC} / 2 A	A, screw terminals	
Appliance data				
Maximum efficiency	97.7 %	97.7 %	97.7 %	97.7 %
European efficiency	97.4 %	97.4 %	97.4 %	97.4 %
Weight	27 kg	27 kg	27 kg	28 kg
Dimensions		H 720 x W 32	20 x D 250 mm	
Operating temperature		-20 °C .	+60 °C	
Storage temperature		-25 °C .	+80 °C	
Relative humidity (non-condensing)		0 %	95 %	
Altitude at rated power		2,000 m	/ 6,560 ft	
Protection degree (except digital interface)		IP 66 according	to DIN EN 60529	
Protection class / overvoltage category		17	/ III	
Display		graphic LCD	170 x 76 pixels	
Data logger	sto	rage capacity sufficient	for 30 years operating tir	me
System topology		transformerless, DIVE®	, RAC-MPP® technology	
Cooling		convection	on cooling	
Standards / grid codes	VDE 0126-1-1, VDE AR-N 4105, BDEW-2008, CEI 0-21, C10/11, G83/1, G59/2, EN 50438, ÖNORM E8001-4-712, UTE C15-712-1, RD 1663/661, IEC 62109, AS 4777, AS 3100			
Warranty		10 y	years	
Type designation	3801 TLD	3800 TLD	4300 TLD	4800 TLD

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TL Inverter	5300 TL	6300 TL	7200 TL
DC Input			
Max. PV power	6,000 Wp	7,100 Wp	8,000 Wp
Max. DC power (@ cos phi = 1)	5,300 W	6,300 W	7,200 W
MPPT voltage range	349 V 710 V	350 V 710 V	351 V 710 V
Vlax. input voltage		880 V	
Max. MPPT input current	16.0 A	18.5 A	21.0 A
Number of string inputs	2	3	3
Number of MPP trackers		1	
OC disconnect		optional, device integrated	
Reverse polarity protection		yes	
OC short circuit current	22 A	26 A	29 A
Ground fault monitoring		isolation control	
AC Output			
Rated power (@ cos phi = 1)	5,000 W	6,000 W	6,900 W
Rated current	21.7 A	26.1 A	30.0 A
Vlax. apparent power	5,000 VA	6,000 VA	6,900 VA
Max. AC current	21.7 A	26.1 A	30.0 A
Power feed starts at	7 W	8 W	8 W
Mains output voltage		230 V (+/-20 %)	
Feed in phases / connection phases	1 fee	d in phase / 1 or 3 connection pha	ises
Aax. permitted grid impedance Zmax (EN 61000-3-11)	349 mΩ	290 mΩ	253 mΩ
Standby consumption	0 10 11132	< 2 W	200 11132
Mains frequency	50 Hz (+/- 5 %)		
Short circuit resistance	yes		
Power factor (cos phi)	0.7 ind 0.7 cap.		
Ground fault monitoring		RCD	
Interfaces		NCD	_
OC connection		Multipoptopt MC4	
AC connection	Multicontact MC4		
nterfaces	spring clamp connectors PLATINUM® network EIA 485, 2 x RJ45 and screw terminals		
			ew terminals
Alarm relay	n	nax. 24 V _{AC} / 2 A, screw terminals	
Appliance data	07.7.0/	00.00/	00.00/
Maximum efficiency	97.7 %	98.0 %	98.0 %
European efficiency	97.4 %	97.5 %	97.5 %
Veight	28 kg	29 kg	29 kg
Dimensions		H 720 x W 320 x D 250 mm	
Operating temperature		-20 °C +60 °C	
Storage temperature		-25 °C +80 °C	
Relative humidity (non-condensing)		0 % 95 %	
Altitude at rated power		2,000 m / 6,560 ft	
Protection degree (except digital interface)		P 66 according to DIN EN 60529	
Protection class / overvoltage category		1 / 111	
Display		graphic LCD 170 x 76 pixels	
Data logger	storage cap	pacity sufficient for 30 years opera	ating time
System topology	transfor	rmerless, DIVE®, RAC-MPP® techr	nology
Cooling		fan	
Standards / grid codes		05, BDEW-2008, CEI 0-21, C10/1 E C15-712-1, RD 1663/661, IEC 6	
Warranty		10 years	
Type designation	5300 TLD	6300 TLD	7200 TLD

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

















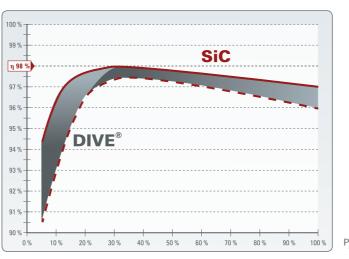




The sibling of the single-phase TL inverter impresses with the same peak efficiency of 98%. This is largely down to the increase in efficiency particularly in the lower output range achieved by using of state-of-the-art SiC components in conjunction with the innovative DIVE® technology. The TL series 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 set 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 from the graphics display – even at night. The range includes five three-phase models ranging from 13 to 22 kW.

- Efficiency of 98 %
- 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 location
- 10-year free 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 com-

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



TL Inverter	13000 TL	16000 TL	19000 TL		
	13000 IL	16000 IL	19000 TL		
DC Input	4470014	40,000,144	04.000.144		
Max. PV power	14,700 Wp	18,000 Wp	21,300 Wp		
Max. DC power (@ cos phi = 1)	12,900 W	15,900 W	18,900 W		
MPPT voltage range	351 V 710 V	349 V 710 V	350 V 710 V		
Max. input voltage		880 V			
Max. MPPT input current	3 x 13.0 A	3 x 16.0 A	3 x 18.5 A		
Number of string inputs	6	6	9		
Number of MPP trackers	3				
DC disconnect		optional, device integrated			
Reverse polarity protection		yes			
DC short circuit current	3 x 18 A	3 x 22 A	3 x 26 A		
Ground fault monitoring		isolation control			
AC Output					
Rated power (@ cos phi = 1)	12,360 W	15,000 W	18,000 W		
Rated current	17.9 A	21.7 A	26.1 A		
Max. apparent power	12,360 VA	15,000 VA	18,000 VA		
Max. AC current	17.9 A	21.7 A	26.1 A		
Power feed starts at	21 W	21 W	24 W		
Mains output voltage		3AC 230 V / 400 V + N (+/-20 %)			
Feed in phases / connection phases	31	reed in phases / 3 connection phase	ses		
Max. permitted grid impedance Zmax (EN 61000-3-11)	424 mΩ	349 mΩ	290 mΩ		
Standby consumption		< 6 W			
Mains frequency	50 Hz (+/- 5 %)				
Short circuit resistance	yes				
Power factor (cos phi)		0.7 ind 0.7 cap.			
Ground fault monitoring		RCD			
Interfaces					
DC connection		Multicontact MC4			
AC connection	spring clamp connectors				
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	97.7 %	97.7 %	98.0 %		
European efficiency	97.4 %	97.4 %	97.5 %		
Weight	81 kg	84 kg	87 kg		
Dimensions		H 743 x W 972 x D 262 mm	3		
Operating temperature		-20 °C +60 °C			
Storage temperature		-25 °C +80 °C			
Relative humidity (non-condensing)		0 % 95 %			
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					
Display		graphic LCD 170 x 76 pixels			
	otoraca or		ating time		
Data logger	_	apacity sufficient for 30 years oper			
System topology		ormerless, DIVE®, RAC-MPP® tech			
Cooling Standards / grid codes	convection cooling fan VDE 0126-1-1, VDE AR-N 4105, BDEW-2008, CEI 0-21, C10/11, G83/1, G59/2, EN 50438, ÖNORM 50001 4 713 LITE 615 713 1 RD 1653/561 LIC 63100 AS 4777, AS 3100				
Warranty	ONORM E8001-4-712, UTE C15-712-1, RD 1663/661, IEC 62109, AS 4777, AS 3100				
7	13000 TLD	16000 TLD	19000 TLD		

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).

Specifications			
TL Inverter	22001 TL	22000 TL	
DC Input			
Max. PV power	23,000 Wp	24,000 Wp	
Max. DC power (@ cos phi = 1)	20,800 W	21,600 W	
MPPT voltage range	351 V 710 V	351 V 710 V	
Vlax. input voltage	880 V		
Max. MPPT input current	3 x 20.2 A	3 x 21.0 A	
Number of string inputs	9	9	
Number of MPP trackers	3		
DC disconnect	optional, device integrated		
Reverse polarity protection	yes		
DC short circuit current	3 x 28 A	3 x 29 A	
Ground fault monitoring	isolation cor	ntrol	
AC Output			
Rated power (@ cos phi = 1)	20,000 W	20,700 W	
Rated current	29.0 A	30.0 A	
Max. apparent power	20,000 VA	20,700 VA	
Vax. AC current	29.0 A	30.0 A	
Power feed starts at	24 W	24 W	
Vains output voltage	3AC 230 V / 400 V +		
Feed in phases / connection phases	3 feed in phases / 3 con		
Vlax. permitted grid impedance Zmax (EN 61000-3-11)	261 mΩ	253 mΩ	
Standby consumption	< 6 W	200 11132	
Mains frequency	50 Hz (+/- 5 %)		
Short circuit resistance	yes		
Power factor (cos phi)	0.7 ind 0.7 cap.		
Ground fault monitoring	RCD		
Interfaces	Hob		
OC connection	Multicontact	MC4	
AC connection	spring clamp cor		
Interfaces	PLATINUM® network EIA 485, 2 x		
Alarm relay	max. 24 V _{AC} / 2 A, scr		
Appliance data	111ax. 24 V _{AC} / 2 /A, 301	ew terrinals	
Maximum efficiency	98.0 %	98.0 %	
European efficiency	97.5 %	97.5 %	
Veight	97.5 % 87 kg	97.5 % 87 kg	
Dimensions	67 kg H 743 x W 972 x I		
	-20 °C +6i		
Operating temperature	-20 °C +81		
Storage temperature	0 % 95		
Relative humidity (non-condensing)			
Altitude at rated power	2,000 m / 6,5		
Protection degree (except digital interface)	IP 65 according to DI	IIN LIN OUUZU	
Protection class / overvoltage category		76 pivole	
Display	graphic LCD 170 x	· · · · · · · · · · · · · · · · · · ·	
Data logger	storage capacity sufficient for 3	<u> </u>	
System topology	transformerless, DIVE®, RAG	5-IVIPP* technology	
Cooling Standards / grid codes	fan VDE 0126-1-1, VDE AR-N 4105, BDEW-2008, CE ÖNORM E8001-4-712, UTE C15-712-1, RD 16		
Warranty	10 years		
•	. s years		

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).

Pulls out a cool 98.4 %. The PLATINUM® R3 inverter.



















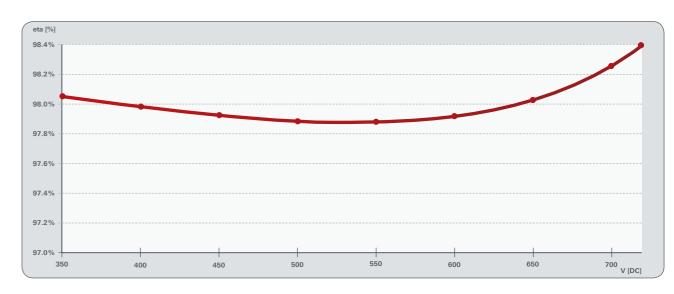




The transformerless, three-phase high-performance R3 inverter is a logical extension of the PLATINUM® product family: smaller, more compact, more lightweight and more efficient. Thanks to the innovative DUAL-X® technology, it achieves a peak efficiency of 98.4% and thus offers an excellent yield. Factors that contribute to this exceptionally high efficiency include the purely convection-based cooling system and the excellent MPP tracking, while the low weight and automatic master programming via the PLATINUM® network EIA 485 help to make installation and commissioning incredibly easy. All of the key operating data can be clearly read off from the graphics display – even at night. The range contains five models from 7 to 16 kW.

- Efficiency of 98.4 %
- DIVE® technology for increased efficiency in the lower power output range
- RAC-MPP® technology for rapid MPP location
- Convection cooling
- Integrated datalogger provides storage capacity for 30 years worth of operating data
- 10-year free manufacturer's warranty

Excellent yield values thanks to DUAL-X® technology.



High efficiency across the entire MPPT voltage range thanks to innovative DUAL-X® technology. The advantage: exceptionally high yields with optimum design flexibility.

All PLATINUM® R3 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.

R3 Inverter	7000 R3	9000 R3	11000 R3	
DC Input	7000 N3	3000 N3	11000 N3	
Max. PV power	6,700 Wp	9,000 Wp	11,200 Wp	
Max. DC power (@ cos phi = 1)	6,100 W	8,200 W	10,200 W	
MPPT voltage range	0,100 vv	350 V 720 V	10,200 VV	
		900 V		
Max. input voltage	2 x 10 A	2 x 13 A	2 x 16 A	
Max. MPPT input current	-			
Number of string inputs	1+1 2+2 2+2			
Number of MPP trackers		1		
DC disconnect		yes		
Reverse polarity protection	44.4	yes	00.4	
DC short circuit current	14 A	18 A	22 A	
Ground fault monitoring		isolation control		
AC Output				
Rated power (@ cos phi = 1)	6,000 W	8,000 W	10,000 W	
Rated current	8.7 A	11.6 A	14.5 A	
Max. apparent power	6,000 VA	8,000 VA	10,000 VA	
Max. AC current	11.2 A	14.8 A	18.5 A	
Power feed starts at		20 W		
Mains output voltage		3AC 230 V / 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		
Standby consumption	< 2 W			
Mains frequency		50 Hz (+/- 5 %)		
Short circuit resistance	yes			
Power factor (cos phi)		0.7 ind 0.7 cap.		
Ground fault monitoring		RCD		
Interfaces				
DC connection		Multicontact MC4		
AC connection	spring clamp connectors			
Interfaces	PLATINUM® network EIA 485, 2 x RJ45 and screw terminals			
Alarm relay	-			
Appliance data				
Maximum efficiency	98.4 %	98.4 %	98.4 %	
European efficiency	97.7 %	97.8 %	97.9 %	
Weight		45 kg		
Dimensions		H 626 x W 547 x D 290 mm		
Operating temperature		-20 °C +60 °C		
Storage temperature		-25 °C +80 °C		
Relative humidity (non-condensing)		0 % 95 %		
Altitude at rated power		2,000 m / 6,560 ft		
Protection degree		IP 66 according to DIN EN 60529		
Protection class / overvoltage category		1 / 111		
Display		graphic LCD 170 x 76 pixels		
Data logger	storage	capacity sufficient for 30 years oper	rating time	
System topology	transformerless, DIVE®, RAC-MPP® technology			
Cooling	convection cooling			
Standards / grid codes	VDE 0126-1-1, VDE AR-N 4105, BDEW-2008, CEI 0-21, C10/11, G83/1, G59/2, EN 50438, ÖNORM E8001-4-712, UTE C15-712-1, RD 1663/661, IEC 62109, AS 4777, AS 3100			
Warranty		10 years		
Type designation	7000 R3-MDX	9000 R3-MDX	11000 R3-MDX	

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).

Specifications			
R3 Inverter	14000 R3	16000 R3	
DC Input			
Max. PV power	14,600 Wp	16,900 Wp	
Max. DC power (@ cos phi = 1)	13,300 W	15,350 W	
MPPT voltage range	350 V 720 V	1	
Max. input voltage	900 V		
Max. MPPT input current	2 x 21 A 2 x 24 A		
Number of string inputs	2 + 2		
Number of MPP trackers	1		
DC disconnect	yes		
Reverse polarity protection	yes		
DC short circuit current	29 A	33 A	
Ground fault monitoring	isolation contro		
AC Output			
Rated power (@ cos phi = 1)	13,000 W	15,000 W	
Rated current	18.9 A	22.0 A	
Max. apparent power	13,000 VA	15,000 VA	
Max. AC current	22.0 A	22.0 A	
Power feed starts at	22.0 A	22.0 A	
	·	1.120.0()	
Mains output voltage	3AC 230 V / 400 V + N		
Feed in phases / connection phases	3 feed in phases / 3 conne	<u> </u>	
Max. permitted grid impedance Zmax (EN 61000-3-11)	402 mΩ	345 mΩ	
Standby consumption	< 2 W		
Mains frequency	50 Hz (+/- 5 %)		
Short circuit resistance	yes		
Power factor (cos phi)	0.7 ind 0.7 cap.		
Ground fault monitoring	RCD		
Interfaces			
DC connection	Multicontact MC4		
AC connection	spring clamp conne	ectors	
Interfaces	PLATINUM® network EIA 485, 2 x RJ	45 and screw terminals	
Alarm relay	-		
Appliance data			
Maximum efficiency	98.4 %	98.4 %	
European efficiency	98.0 %	98.0 %	
Weight	45 kg		
Dimensions	H 626 x W 547 x D 2	90 mm	
Operating temperature	-20 °C +60 °	C	
Storage temperature	-25 °C +80 °	C	
Relative humidity (non-condensing)	0 % 95 %		
Altitude at rated power	2,000 m / 6,560	ft	
Protection degree	IP 66 according to DIN	EN 60529	
Protection class / overvoltage category	1/111		
Display	graphic LCD 170 x 76	3 pixels	
Data logger			
System topology	storage capacity sufficient for 30 years operating time		
Cooling	transformerless, DIVE®, RAC-MPP® technology convection cooling		
Standards / grid codes			
otanuarus / giru coues	VDE 0126-1-1, VDE AR-N 4105, BDEW-2008, CEI 0-21, C10/11, G83/1, G59/2, EN 504 ÖNORM E8001-4-712, UTE C15-712-1, RD 1663/661, IEC 62109, AS 4777, AS 310		
Warranty	UNURM E8001-4-712, UTE C15-712-1, RD 1663/661, IEC 62109, AS 4777, AS 3100		

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 $\boxed{32}$

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
Max. input voltage		100	00 V	
Max. MPPT input current	29.0 A	30.0 A	38.5 A	41.0 A
Number of string inputs	4	4		6
Number of MPP trackers			1	
DC disconnect		integrated i	n the device	
Reverse polarity protection		У	es	
DC short circuit current		50) A	
Ground fault monitoring		isolation	n 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	10.071		W 25.0 A	25.0 A
Mains output voltage				
Feed in phases / connection phases	3AC 400 V + N (+/-20 %) 3 feed in phases / 3 connection phases			
Wax. permitted grid impedance Zmax (EN 61000-3-11)	n/a	422 mΩ	318 mΩ	273 mΩ
	TI/d		5 W	273 11152
Standby consumption				
Mains frequency	50 Hz / 60 Hz (+/-5 %)			
Short circuit resistance	yes 0.9 ind 0.9 cap.			
Power factor (cos phi)			•	
Ground fault monitoring		K(CD	
Interfaces				
DC connection	Multicontact MC4			
AC connection	Phoenix plug connector (supplied)			
Interfaces	PLATI	NUM® network EIA 485		minals
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 %
Veight	39 kg	39 kg	40 kg	40 kg
Dimensions		H 626 x W 54	3 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		17	III	
Display		graphic LCD 1	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		DE AR-N 4105, BDEW-2	2008, CEI 0-21, C10/11,	
Warranty	ÖNORM E8001-4-712, UTE C 15-712-1, RD 1663/661, IEC 62109, AS 4777. 5 years			
		J y		

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).

Delivering the best yield across Europe. The PLATINUM® range of inverters. Reference systems.

PLATINUM® inverters are in use across the whole of Eu- once again highlights the significance of inverter techrope, from the UK to Greece. Customers particularly value the outstanding performance, exceptional quality tems and therefore, for the long-term success of solar and ease of installation and commissioning of the multi-country devices. This list of international references

nology in terms of the efficiency of photovoltaic sys-

Revello, Piemont, Italy.

Eco-electricity and happy hens.

Care for the environment is reflected in two important projects in Revello, south of Turin: the open-field photovoltaic system built in 2011, which delivers a total output of 1,231 kWp, and an environmentally-friendly freerange livestock/poultry farm. PLATINUM® supplied 174 inverters (model: 7200 TL) for around 7,000 modules.

Equipment:

- 174 Diehl 7200 TL inverters
- 7,038 modules, each delivering 175 Wp



Impressive performance both in the north and south. The PLATINUM® range of inverters. Reference systems.

Piscina, Turin region, Italy.

Increased yield with multi-MPP tracking.

In the case of this plant near Turin, which was constructed in 2011, the problem of curved roofs with modules aligned in different directions was overcome by using string inverters and separate MPP-tracking for each row of modules. The yield of the plant was maximised with the aid of multi-MPP tracking and was increased

across the board by 10 - 15% compared to the original forecasts. The total output of the plant is 269 kWp.

Equipment:

- 24 Diehl 7200 TL inverters
- 6 Diehl 6300 TL inverters12 Diehl 4800 TL inverters
- 426 modules, each delivering 180 Wp
- 678 modules, each delivering 285 Wp



Podnanos, Vipava, Slovenia.

Decentralised solution with PLATINUM® string inverters.

With a power output of 950 kWp, the plant in Podnanos is one of the largest photovoltaic installations in Slovenia. In this plant, a decentralised solution is implemented solely with PLATINUM® string inverters. These deliver a higher yield than centralised inverters and suffer fewer

failures. With the aid of the 135 MPP trackers of the 44 PLATINUM® 22000 TL inverters, it is possible to compensate for terrain-related differences in angle between he modules via multi-MPP tracking and thus to significantly increase the yield.

Equipment:

- 44 Diehl 22000 TL inverters
- 3,168 modules, each delivering 300 Wp



Euaggelismos Messinias, Peloponnese, Greece.

200 kWp with 30 PLATINUM® inverters.

These two photovoltaic parks in Euaggelismos Messinias in Greece each deliver an output of 2 x 100 kWp from a surface area of 10,000 m². The plant has been designed to run for 20 years and was constructed over a period of two months. Last year, the feed-in power was 2,150 kWh per kWp. There were two reasons why PLATINUM® inverters were chosen for this project: high quality and excellent value for money.

Equipment:

- 11 Diehl 7200 TL inverters per park
- 4 Diehl 4300 TL inverters per park
- 20 single-axis solar trackers
- 454 modules, each delivering 220 Wp

Littlehampton, West Sussex, south England.

The biggest rooftop solar power plant in the British Isles.

Britain's largest rooftop solar power plant with a total area of 6,355 m² and an output of 883 kWp was planned and installed in just three months in 2011. The electricity produced here is to be used in a self-sustaining system in order to reduce the energy costs of its operating company. In addition, this also helps to save 390 tons of $\rm CO_2$ emissions every year. The plant can supply electricity to 200 households per year.

Equipment:

- 40 Diehl 22000 TL inverters
- 3,800 modules, each delivering 230 Wp





Warin, Mecklenburg-West Pomerania, Germany.

Flexible deployment of 115 PLATINUM® inverters on a total of ten roofs.

This installation, which is distributed over many roofs, presented a special challenge: thanks to the wide performance spectrum of the units in the PLATINUM® range, it was possible to equip eight large halls, one smaller hall and one office building – each with an apex roof pitched at 14° – with the best models to deliver the optimum power output. A total of 115 transformerless

PLATINUM® inverters deliver high yield values, while four PLATINUM® WebMaster units are used for comprehensive monitoring. Constructed in 2010, the solar plant delivers an output of 904 kWp.

Equipment:

- 104 Diehl 7200 TL inverters
- 1 Diehl 6300 TL inverter
- 1 Diehl 4800 TL inverter
- 3 Diehl 4300 TL inverters
- 4,880 modules, each delivering 185 Wp





Analysing performance and profitability. The PLATINUM® WebMaster Pro.

















Dimensions

W 180 x H 170 x D 35 mm

Housing

Polycarbonate, indoor and cabinet

Type of installation
Stand, wall mounting, top hat rail

Protection degree
IP 20
Operating temperature
-20 °C ... +75 °C

Interfaces

PLATINUM® network EIA 485
RJ45 and screw terminals

Ethernet
10/100 MBit/s, RJ45

Electrical data
Operation voltage
230 V

Subject to alterations (as at May 2012).

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In commercial photovoltaic systems, analysis of the technical performance and power output is an important part of plant monitoring, as this provides vital information about profitability and commercial success. After all, the key here is to recover the high investment costs and operating costs. Thanks to the scalability of PLATINUM® WebMaster Pro, it can be used to monitor plants with up to 1,000 PLATINUM® inverters.

- PLATINUM® network EIA 485
- Supports plants with up to 1,000 inverters
- Automatic messaging to PC or mobile phone in the event of a fault
- Access via web browser; no additional PC software required



Expansion for the PLATINUM® WebMaster Pro. The PLATINUM® IOBox.

In order to comply with legal requirements and technical directives, plant operators are required to provide feed-in management solutions.

With its large number of inputs, the PLATINUM® IOBox offers numerous options for connection to the telecontrol engineering systems of the grid operator. In addition, these inputs are also suitable for connecting various sensors. With the aid of the integrated network interface, PLATINUM® IOBox can be easily connected to the local grid at the plant.

- 10 digital inputs
- 6 analogue inputs/ switchable measuring range
- 10 potential-free relay outputs
- Ethernet interface
- PLATINUM® network EIA 485













Specifications	
Dimensions	W 86 x H 60 x D 157 mm
Housing	Polycarbonate, indoor and cabinet with top hat rail
Protection degree	IP 20
Operating temperature	0 °C +50 °C
Interfaces	
PLATINUM® network EIA 485	2 x RJ45 and screw terminals
Digital Inputs	10 digital inputs (5mA at 24V, Low: 0 – 4V, High 15 – 30V), screw terminals
Analog inputs	6 analog inputs, switchable measuring range: 0 – 10V ($11k\Omega$), 0-600mV ($1M\Omega$), 0 – 150mV ($1M\Omega$), 0 – 20mA (390Ω), screw terminals
Digital outputs	10 isolated relay contacts, max. 2 A, max. 30 VDC, screw terminals
Ethernet	10/100 MBit/s, RJ45
Electrical data	
Operating voltage	24 VDC
Power consumption	approx. 160 mA at 24 VDC

Subject to alterations (as at May 2012).

Enables PC evaluation on small systems. PLATINUM® PV-Monitor.

The PV-Monitor software is a PC-based tool which offers a user-friendly evaluation of all key data particularly for smaller photovoltaic systems up to 25 kW. It displays measurements for different time periods as clear, easy to read graphics and provides diagrams for the power output or yield of individual inverters or the entire plant.

- Easy connection between PC and inverter
- Suitable for all plants with PLATINUM® inverters with a manufacturing date from January 2007 onwards
- Cost-effective solution for smaller photovoltaic systems
- Practical export function into Excel, XML and text format



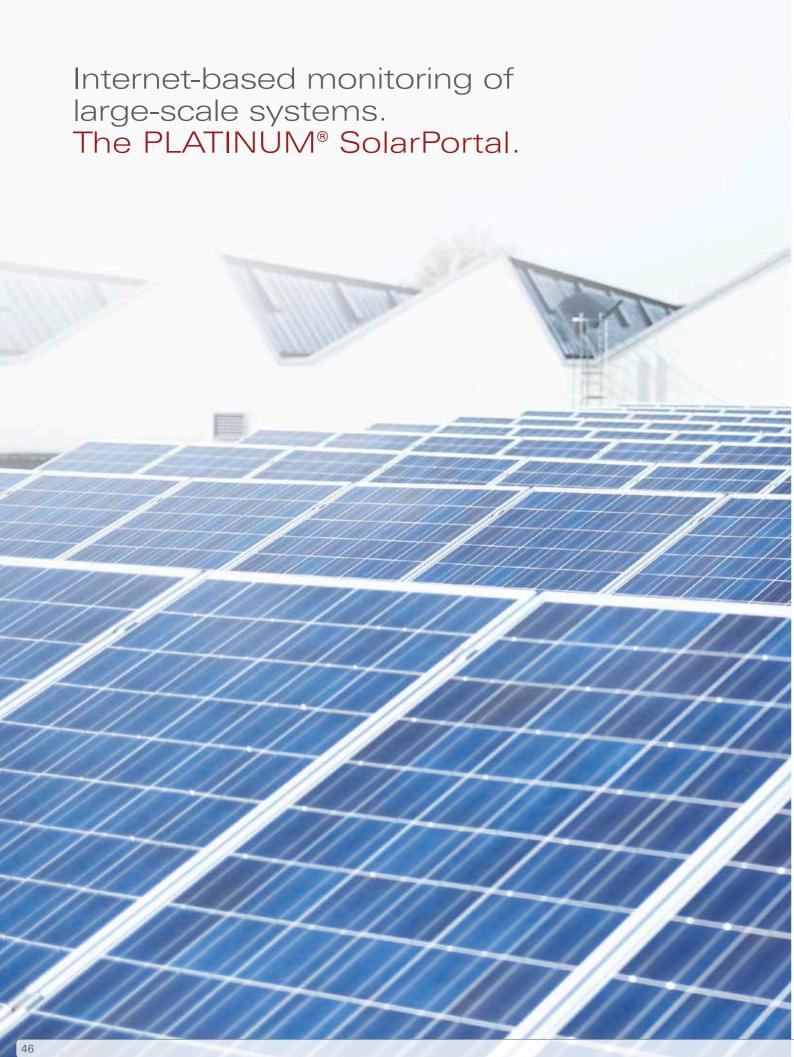






Specifications	
Dimensions	W 92 x H 22 x D 25 mm
Operating temperature	0 °C +40 °C
PLATINUM® network EIA 485	RJ45
USB	USB plug type A
System requirements	Operating system Windows 2000, XP, Vista or 7, .NET Framework 2.0 RAM > 64 MB Available disk space > 50 MB Interface USB 1.1 or higher

Subject to alterations (as at May 2012)



In the case of large-scale systems, it is particularly important to safeguard the yield generated by the system. User-friendly monitoring and yield analysis systems are a prerequisite for this.

- Global access
- Integrated user administration enables customer-specific alarm management
- Early fault detection optimises profitability
- Performance monitoring via calculation of target values and actual values from weather data
- For individual plants, virtual plants and plant parks

PLATINUM® SolarPortal enables professional remote monitoring via the Internet. Via PLATINUM® WebMaster Pro, all of the relevant plant data is transmitted to the SolarPortal server, where the data is then stored and processed. This then highlights any faults and long-term yield fluctuations.

- Displays the power output for different time periods, as well as temperature, voltage, current etc.
- E-mail dispatch
- Data backup, user administration, individual E-mail configuration, data download to PC
- Technical and commercial reports, generation of individual reports
- Also available as a smartphone app















Making power output transparent, controlling consumption. Intelligent energy management with Diehl SmartHome.



In addition to monitoring of the power output of photo-voltaic systems, responsible energy usage also requires intelligent control of how the energy is used. In the form of the innovative SmartHome concept, PLATINUM® offers a highly developed system for user-friendly energy management. This concept combines the elements of photovoltaics, storage and energy management with the aim of increasing self-sufficiency and cost-effectiveness in terms of electric power consumption.

Diehl SmartHome helps to lower electric power consumption, increase safety and comfort and control energy consumption. Via the various control panels or via remote access, it is for example possible to turn down the heating when the window is open, centrally switch devices on or off, or close the shutters when it gets dark.

In addition, the storage options provided via the optional PLATINUM® battery offer greater flexibility in terms of the times at which the electricity generated by the system can be used. This means that power is available when it is needed – and not just when the sun is shining. As a result, the amount of generated energy that can be used internally – which is a much more profitable solution to feeding the electricity into the grid – can be cleverly increased.

Analyses energy values, optimises consumption. PLATINUM® WebMaster Home.























Specifications W 180 x H 170 x D 35 mm Dimensions Housing Polycarbonate, indoor and cabinet Stand, wall mounting, top hat rail Type of installation Protection degree 0 °C ... +50 °C Operating temperature PLATINUM® network EIA 485 RJ45 and screw terminals 10/100 MBit/s, RJ45 Ethernet Radio interfaces Z-Wave® and EnOcean® 230 V Operating voltage

Subject to alterations (as at May 2012)

PLATINUM® WebMaster Home represents the first step into the world of Diehl SmartHome. It measures all of the key data for the photovoltaic system, provides information about output and generates alarms in the event of a fault. Thanks to the integrated wireless standards

EnOcean® and Z-Wave®, PLATINUM® WebMaster Home supports an almost unlimited number of components. Functions can be added or upgraded at any time via the Diehl SmartHome Shop.

- Monitoring of up to 5 PLATINUM® inverters Representation and controlling of room via the PLATINUM® network EIA 485
- Detailed measurement of output and consumption
- Intelligent closed-loop control for the 70% limit according to EEG 2012
- Integrated interface to the PLATINUM® battery
- Monitoring and closed-loop control for up to 5 storage systems

- Recording and representation of individual consumption profiles for connected devices
- Suitable for upgrading with standard commercially available EnOcean® and Z-Wave® components (up to 400 units)
- Smart Grid interfaces as standard
- Optional remote reading of current meters



Delivers excellent values for environmental management as well. Production, packaging and return of PLATINUM® products.

For any company that develops technology promoting the sustainable use of resources, responsible practices are an essential part of the corporate culture. We carry the corresponding certification and ensure compliance of the PLATINUM® brand with all relevant environmental directives.

The Photovoltaics division has an environmental management system and is certified according to ISO 14001.

PLATINUM® is compliant with all important environmental directives:

RoHS directive:

Our products comply with the RoHS directive. This means that they do not contain hazardous substances such as lead or mercury.

Regulation on packaging:

To ensure that the packaging we use for our products can also be disposed of in an environmentally friendly manner and recycled, we take part in the dual waste disposal system and comply with the requirements of the regulation on packaging.

Return of end-of-life electrical and electronic equipment:

To ensure that returned products are disposed of in an environmentally friendly manner, we are registered in accordance with the Waste Electrical and Electronic Equipment Directive (WEEE) under the registration number DE 46602949.



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Always happy to help with advice and support. PLATINUM® sales, service and training courses.

Whether for the planning of photovoltaic systems, designing of plant monitoring systems or commissioning of PLATINUM® products – our experts are on hand and happy to help with advice and support.

All of our products are developed and manufactured with great care. If, despite our best efforts, you still have a problem with one of our products, the relevant PLATINUM® service department will be happy to offer fast and competent help.

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Training

We offer training courses and training events for our products at regular intervals. For more information please visit: http://www.diehl.com/platinum-training

Alternatively, why not come and see us at one of our upcoming global trade fair appearances? We look forward to seeing you there! For more detailed information regarding dates etc. please visit:

http://www.diehl.com/platinum-eventcalendar

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