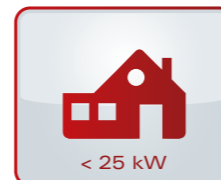
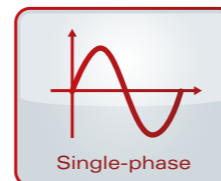
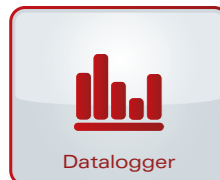


Maximum reliability.
Even under difficult conditions.
The PLATINUM® S inverter.



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

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.



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, device integrated			
Reverse polarity protection	yes			
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	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)	IP 54 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	LF transformer, RAC-MPP® technology			
Cooling	convection cooling	fan		
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			
Warranty	10 years			
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
DC Input				
Max. 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
MPPT voltage range	320 V ... 630 V	277 V ... 470 V	320 V ... 630 V	278 V ... 470 V
Max. 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
Number of string inputs	2	2	2	2
Number of MPP trackers	1			
DC disconnect	optional, device integrated			
Reverse polarity protection	yes			
DC 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
Rated current	16.0 A	16.0 A	16.5 A	16.5 A
Max. 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
Power feed starts at	18 W	17 W	18 W	17 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		460 mΩ	460 mΩ
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	95.6 %	94.6 %	95.6 %	94.6 %
European efficiency	94.7 %	93.9 %	94.8 %	93.8 %
Weight	42 kg	43 kg	42 kg	43 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)	IP 54 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	LF transformer, RAC-MPP® technology			
Cooling	fan			
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			
Warranty	10 years			
Type designation	4300 S	4301 S	4600 S	4601 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.