

Technical data

Input characteristics	2100 S	2800 S	3100 S	3800 S	4300 S	4301 S	4600 S	4601 S	4300 TL	4800 TL	5300 TL	6300 TL	7200 TL	13000 TL	16000 TL	19000 TL	22000 TL	11000 TL3	13000 TL3	17000 TL3	20000 TL3	100 CS	100 CTL	500 CTL	
Max. PV power	2,300 Wp	3,200 Wp	3,450 Wp	4,200 Wp	4,800 Wp	4,800 Wp	5,100 Wp	5,100 Wp	4,900 Wp	5,400 Wp	6,000 Wp	7,100 Wp	8,000 Wp	14,700 Wp	18,000 Wp	21,300 Wp	24,000 Wp	11,000 Wp	13,600 Wp	18,100 Wp	21,200 Wp	130 kW	130 kW	650 kW	
Max. DC power	2,100 W	2,800 W	3,100 W	3,800 W	4,300 W	4,300 W	4,600 W	4,600 W	4,300 W	4,800 W	5,300 W	6,300 W	7,200 W	12,900 W	15,900 W	18,900 W	21,600 W	10,300 W	12,800 W	16,900 W	19,650 W	115.8 kW	115.8 kW	580 kW	
PV voltage range MPPT	206 V–390 V	313 V–630 V	314 V–630 V	315 V–630 V	320 V–630 V	277 V–470 V	320 V–630 V	278 V–470 V	351 V–710 V	348 V–710 V	349 V–710 V	350 V–710 V	351 V–710 V	351 V–710 V	349 V–710 V	350 V–710 V	351 V–710 V	380 V–850 V	420 V–850 V	445 V–850 V	480 V–850 V	405 V–750 V	405 V–750 V	450 V–750 V	
Max. DC voltage	480 V	780 V	780 V	780 V	780 V	780 V	780 V	580 V	13.0 A	14.5 A	16.0 A	18.5 A	21.0 A	3 x 13.0 A	3 x 16.0 A	3 x 18.5 A	3 x 21.0 A	29.0 A	30.0 A	38.5 A	41.0 A	260 A	260 A	1072 A	
Max. input current	9.0 A	9.0 A	9.0 A	12.0 A	12.5 A	15.0 A	13.0 A	16.0 A	2	2	2	3	3	6	6	9	9	4	4	6	6	4	4	12	
Number of string inputs	1	1	1	2	2	2	2	2	2	2	2	3	3	6	6	9	9	4	4	6	6	4	4	12	
Number of MPP trackers	1								1								1				1				
DC disconnect	optional DC disconnect, integrated in the device								optional DC disconnect, integrated in the device								DC disconnect, integrated in the device				DC disconnect, integrated in the device				
Reverse voltage protection	yes								yes								yes				yes				
Earth fault monitoring	Isolation control (can be activated)								Isolation control								Isolation control				Isolation control				
Output characteristics																									
Nominal AC power (Cos Phi = 1)	1,750 W	2,400 W	2,550 W	3,300 W	3,680 W	3,680 W	3,800 W	3,800 W	3,750 W	4,200 W	4,600 W	5,500 W	6,300 W	11,250 W	13,800 W	16,500 W	18,900 W	10,000 W	12,400 W	16,500 W	19,200 W	100 kW	100 kW	500 kW	
Nominal AC current	7.6 A	10.4 A	11.1 A	14.3 A	16.0 A	16.0 A	16.5 A	16.5 A	16.3 A	18.3 A	20.0 A	23.9 A	27.4 A	16.3 A	20.0 A	23.9 A	27.4 A	14.5 A	18.0 A	23.9 A	27.8 A	144 A	262 A	1050 A	
Max. AC power (Cos Phi = 1)	1,900 W	2,600 W	2,800 W	3,600 W	4,050 W	4,050 W	4,200 W	4,200 W	4,120 W	4,600 W	5,000 W	6,000 W	6,900 W	12,360 W	15,000 W	18,000 W	20,700 W	10,000 W	12,400 W	16,500 W	19,200 W	110 kW	110 kW	519 kW	
Max. AC current	8.3 A	11.3 A	12.2 A	15.7 A	17.6 A	17.6 A	18.3 A	18.3 A	17.9 A	20.0 A	21.7 A	26.1 A	30.0 A	17.9 A	21.7 A	26.1 A	30.0 A	18.0 A	18.0 A	29.0 A	29.0 A	161 A	326 A	1104 A	
Feed operation starts at	13 W	14 W	14 W	18 W	18 W	17 W	18 W	17 W	7 W	7 W	7 W	8 W	8 W	21 W	21 W	24 W	24 W	20 W	20 W	20 W	20 W	600 W	300 W	200 W	
Mains output voltage range	230 V (+/-20 %)								230 V (+/-20 %)								3 AC 230 V/400 V + N (+/-20%)				3 AC 400 V + N (+/-20 %)				
Internal consumption at night	lower than 2,5 W								lower than 2 W								lower than 6 W				lower than 3 W				
Mains frequency range	50 Hz (+/-5 %)								50 Hz (+/-5 %)								50 Hz (+/-5 %)				50 Hz (+/-5 %)				
Short-circuit proof	yes								yes								yes				yes				
Cos Phi (Medium voltage directive)	1								0.9 i to 0.9 c (Modell 2011)								0.9 i to 0.9 c				0.9 i to 0.9 c				
Earth fault monitoring	no								RCD								RCD				RCD				
Interfaces																									
DC input	Multicontact MC4								Multicontact MC4								Multicontact MC4				Screw terminals				
AC output	Wieland RST 3i/5i								Spring clamp connectors								Phoenix plug connectors (included)				Screw terminals				
PLATINUM network	EIA 485, 2 x RJ 45 Western Modular additional plug connector with screw terminals								EIA 485, 2 x RJ 45 Western Modular add. plug connector with screw terminals								EIA 485, 2 x RJ 45 Western Modular add. plug connector with screw terminals				EIA 485, 2 x RJ 45 Western Modular add. plug connector with screw terminals				
Service interface	EIA 232, SubD 9-pole socket								EIA 232, SubD 9-pole socket								EIA 232, SubD 9-pole socket, USB				EIA 232, SubD 9-pole socket, USB				
Potential-free relay contact	1 normally open contact, max. 24 V _{ac} /2 A, plug connector with screw terminals								1 normally open contact, max. 24 V _{ac} /2 A, plug connector with screw terminals								1 normally open contact, max. 24 V _{ac} /2 A, plug connector with screw terminals				1 normally open contact, max. 24 V _{ac} /2 A, plug connector with screw terminals				
Device data																									
Max. conversion efficiency	94.7 %	95.3 %	95.3 %	95.6 %	95.6 %	94.6 %	95.6 %	94.6 %	97.3 %	97.4 %	97.4 %	97.7 %	98.0 %	97.3 %	97.4 %	97.7 %	98.0 %	98.0 %	98.0 %	98.2 %	98.2 %	96.8 %	98.4 %	98.5 %	
European efficiency	93.7 %	94.4 %	94.4 %	94.6 %	94.7 %	93.9 %	94.8 %	93.8 %	96.8 %	97.0 %	97.0 %	97.3 %	97.6 %	96.8 %	97.0 %	97.3 %	97.6 %	97.4 %	97.5 %	97.8 %	97.8 %	95.7 %	97.5 %	98.2 %	
Weight	30 kg	35 kg	35 kg	42 kg	42 kg	43 kg	42 kg	43 kg	27 kg	28 kg	28 kg	29 kg	29 kg	81 kg	84 kg	87 kg	87 kg	39 kg	39 kg	40 kg	40 kg	1,162 kg	560 kg	1,900 kg	
Dimensions	H 720 x W 320 x D 250 mm								H 720 x W 320 x D 250 mm								H 743 x W 972 x D 262 mm				H 626 x W 543 x D 281 mm				
Working temperature range	-20 °C to +60 °C								-20 °C to +60 °C								-20 °C to +60 °C				-25 °C to +55 °C				
Max. temperature during operation at nominal power output	+45 °C								+45 °C								+45 °C				+50 °C				
Storage temperature	-25 °C to +80 °C								-25 °C to +80 °C								-25 °C to +80 °C				-20 °C to +70 °C				
Protection type (except digital interface)	IP 54 according to DIN EN 60529								IP 66 according to DIN EN 60529								IP 65 according to DIN EN 60529				IP 65 according to DIN EN 60529				
Optical display	Full graphic LCD 170 x 76 pixels								Full graphic LCD 170 x 76 pixels								Full graphic LCD 170 x 76 pixels				Full graphic LCD 170 x 76 pixels				
Integrated datalogger	Storage capacity sufficient for 30 yrs operating time								Storage capacity sufficient for 30 yrs operating time								Storage capacity sufficient for 30 yrs operating time				Storage capacity sufficient for 30 yrs operating time				
Circuit concept	NF-transformer, RAC-MPP® technology, ENS according to VDE 0126-1-1								Transformerless, DIVE®, RAC-MPP® technology, ENS according to VDE 0126-1-1								Transformerless, 3-phase high-performance topology, ENS according to VDE 0126-1-1				NF-transformer Transformerless Transformerless				

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Inverters and plant monitoring

*Selectable country settings: 20 countries
Australia, Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, UK, external ENS*



Our sun – your yield – with consistency



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- Top industrial quality
- Extreme reliability
- High stable yields even under difficult conditions



PLATINUM

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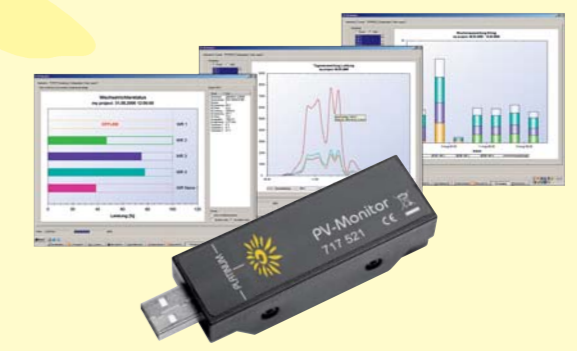
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