

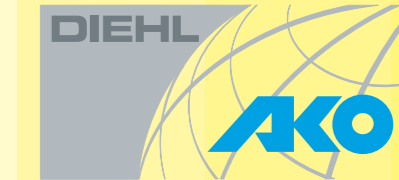
# Technical data

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	12000 TL3	13000 TL3	17000 TL3	100 CS	100 CTL				
<b>Max. PV power</b>	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	8,100 Wp	14,700 Wp	18,000 Wp	21,300 Wp	24,300 Wp	12,500 Wp	14,300 Wp	19,000 Wp	132 kW	132 kW				
<b>Max. DC power</b>	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	11,300 W	12,700 W	16,900 W	120 kW	120 kW				
<b>PV voltage range MPPT</b>	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–800 V	410 V–800 V	460 V–800 V	405 V–750 V					
<b>Max. DC voltage</b>	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	36.0 A	900 V					
<b>Max. input current</b>	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	29.0 A	30.0 A	36.0 A	286 A					
<b>Number of string inputs</b>	1	1	1	2	2	2	2	2	2	2	2	3	3	6	6	9	9	29.0 A	30.0 A	36.0 A	1					
<b>Number of MPP trackers</b>	1								1								1		1							
<b>DC section switch device</b>	optional DC disconnect, integrated in the device								optional DC disconnect, integrated in the device								DC disconnect, integrated in the device		optional DC disconnect, integrated in the device							
<b>Reverse voltage protection</b>	yes								yes								yes		yes							
<b>Output characteristics</b>																										
<b>Nominal AC power</b>	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	12,000 W	15,000 W	100 kW	100 kW				
<b>Nominal AC current</b>	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	3 x 16.3 A	3 x 20.0 A	3 x 23.9 A	3 x 27.4 A	3 x 14.5 A	3 x 17.4 A	3 x 21.7 A	–	–				
<b>Max. AC power</b>	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	11,000 W	12,400 W	16,500 W	110 kW	110 kW				
<b>Max. AC current</b>	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	3 x 17.9 A	3 x 21.7 A	3 x 26.1 A	3 x 30.0 A	3 x 18.0 A	3 x 18.0 A	3 x 25.0 A	187 A	340 A				
<b>Power feed starts at</b>	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	24 W	–	–				
<b>Mains output voltage range</b>	230 V (+/-20 %) single phase								230 V (+/-20 %) single phase								3 x 230 V (+/-20%) 3-phase power feed		3 AC 400 V +N (+/-20 %) 3-phase power feed		400 VAC 3-phase	3 x 220 VAC IT 3-phase				
<b>Internal consumption at night</b>	less than 2.5 W								less than 2 W								less than 6 W		less than 0.2 W		0 W		0 W			
<b>Mains frequency</b>	47.5 Hz–52.5 Hz								47.5 Hz–52.5 Hz								47.5 Hz–52.5 Hz		47.5 Hz–52.5 Hz		50 Hz (+/- 1 Hz)		50 Hz (+/- 1 Hz)			
<b>Short-circuit proof</b>	yes								yes								yes		yes		yes		yes		yes	
<b>Interfaces</b>																										
<b>DC input</b>	DC plug connector, Multicontact MC3, MC4, Tyco								DC plug connector, Multicontact MC3, MC4, Tyco								DC plug connector, Lumberg LC3		Terminal screw							
<b>AC output</b>	Wieland RST 3i/5i								Spring clamp technology								Plug connector (provided)		Terminal screw							
<b>PLATINUM network</b>	EIA 485, 2 x RJ 45 Western Modular additional plug connector with terminal screws								EIA 485, 2 x RJ 45 Western Modular additional plug connector with terminal screws								EIA 485, 2 x Phoenix plug connector (provided)		EIA 485, 2 x RJ 45 Western Modular additional plug connector with terminal screws							
<b>Service interface</b>	EIA 232, 9 pole SubD female socket								EIA 232, 9 pole SubD female socket								USB, Phoenix plug connector (provided)		EIA 232, 9 pole SubD female socket							
<b>Potential-free relay contact</b>	1 Normally-open (NO) contact, max. 24 V <sub>AC</sub> /2 A, plug connector with terminal screws								1 Change-over (CO) contact, max. 24 V <sub>AC</sub> /2 A, plug connector with terminal screws								1 Normally open contact (NO), max. 230 V <sub>AC</sub> /2 A, plug connector (provided)		1 Change-over (CO) contact, max. 24 V <sub>AC</sub> /2 A, plug connector with terminal screws							
<b>Device data</b>																										
<b>Max. conversion efficiency</b>	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 %	97.8 %	98.0 %	98.0 %	> 96.0 %	> 97.0 %				
<b>European conversion efficiency</b>	93.7 %	94.4 %	94.4 %	94.6 %	94.7 %	93.5 %	94.8 %	93.6 %	96.8 %	96.9 %	96.9 %	97.3 %	97.6 %	96.8 %	96.9 %	97.3 %	97.6 %	97.4 %	97.5 %	97.7 %	> 95.0 %	> 97.0 %				
<b>Weight</b>	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	39 kg	1.162 kg	560 kg				
<b>Dimensions</b>	L 720 x W 320 x H 250 mm								L 720 x W 320 x H 250 mm								L 743 x W 972 x H 262 mm		L 560 x W 520 x H 310 mm		L 1800 x W 1000 x H 800 mm					
<b>Ambient temperature specification</b>	-20 °C to +60 °C								-20 °C to +60 °C								-20 °C to +60 °C		-25 °C to +55 °C		-10 °C to +65 °C					
<b>Max. temperature at nominal power output</b>	+45 °C								+45 °C								+45 °C		+45 °C		+45 °C					
<b>Storage temperature</b>	-20 °C to +80 °C								-20 °C to +80 °C								-20 °C to +80 °C		-20 °C to +70 °C		-10 °C to +65 °C					
<b>Protection type</b> (excluding digital interface)	IP 54 (DIN EN 60529)								IP 66 (DIN EN 60529)								IP 66 (DIN EN 60529)		IP 65 (DIN EN 60529)		IP 20 (DIN EN 60529)					
<b>Display</b>	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		full graphic LCD 170 x 76 pixels					
<b>Datalogger integrated</b>	memory capacity sufficient for 30 years of operation								memory capacity sufficient for 30 years of operation								memory capacity sufficient for 30 years of operation		memory capacity sufficient for 30 years of operation		memory capacity sufficient for 30 years of operation					
<b>Circuit concept</b>	LF-transformer with galvanic isolation, 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		transformer		transformerless					

**Selectable country settings: 18 countries**  
 Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, UK, external ENS



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As at 05/2009 (subject to alterations) Brochure\_FlyerPlat2\_EN09005\_731536\_AC.pdf



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