

AVRii SOL

PV INVERTER

Avrii SOL PL1

Power range 3-12 kW



Maximum efficiency
98.50%



Maximum DC input
voltage 1100 V



Wide range AC voltage



Communication RS485,
WiFi, (LAN, 4G - optionally)



12 years warranty



Technical support and service
of an European producer



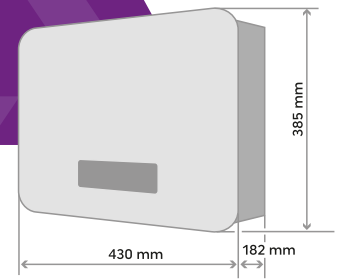
Certified according to European
standards



Easy and quick
installation

PV Inverter Avrii SOL PL1

Power range 3-12 kW



INPUT (DC)							
	AvriiSOL-3-PL1	AvriiSOL-4-PL1	AvriiSOL-5-PL1	AvriiSOL-6-PL1	AvriiSOL-8-PL1	AvriiSOL-10-PL1	AvriiSOL-12-PL1
Max. input voltage	1100 V						
Start-up voltage	160 V						
Number of MPP trackers	2						
Number of DC inputs	1 / 1						1 / 2
Max. PV input power	4500 W	6000 W		7500 W			7500 W / 15000 W
MPPT operating voltage range	140V - 1000V						
Max. input MPPT current	15 A						15 A / 30 A
Max. input short circuit current per MPPT	22.5 A						22.5 A / 45 A
Full power MPPT voltage range	160V - 850V	190V - 850V	240V - 850V	290V - 850V	380V - 850V	420V - 850V	460V - 850V

OUTPUT (AC)							
	AvriiSOL-3-PL1	AvriiSOL-4-PL1	AvriiSOL-5-PL1	AvriiSOL-6-PL1	AvriiSOL-8-PL1	AvriiSOL-10-PL1	AvriiSOL-12-PL1
Rated power	3000 W	4000 W	5000 W	6000 W	8000 W	10000 W	12000 W
Max. AC power	3300 VA	4400 VA	5500 VA	6600 VA	8800 VA	11000 VA	13200 VA
Rated grid voltage	3/N/PE, 220V/380Vac, 230V/400Vac						
Grid voltage range	310-480 Vac (according to local standard)						
Rated frequency	44-55 Hz/55-65 Hz (according to local standard)						
Active power adjustable range	0 - 100%						
THDI	<3%						
Power factor	1 default (adjustable +/-0.8)						
Max. output current	5 A	6.7 A	8.3 A	10 A	13.3 A	16.7 A	20 A

PERFORMANCE, PROTECTION AND SAFETY							
	AvriiSOL-3-PL1	AvriiSOL-4-PL1	AvriiSOL-5-PL1	AvriiSOL-6-PL1	AvriiSOL-8-PL1	AvriiSOL-10-PL1	AvriiSOL-12-PL1
Max. efficiency	98,40%				98,50%		
European efficiency (EU/CEC)	97,50%				98,00%		
Self-consumption at night	<1 W						
MPPT Efficiency	>99,9%						
DC switch	Yes						
Grid and safety standards	EN 50549, IEC/EN 61000, IEC/EN 62109, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105						
Standard communication mode	RS485 / USB / Bluetooth, Wi-Fi (LAN, 4G - optionally)						
Anti-islanding protection	Yes						
Leakage current protection	Yes						
Groundfault monitoring	Yes						
DC reverse polarity protection	Yes (In range of DC Voltage and Current)						
Measurement of insulation resistance on the AC and DC sides	Yes						
Earth resistance measurement	Yes						
Input SPD	Type II						
Output SPD	Type II						

GENERAL DATA							
	AvriiSOL-3-PL1	AvriiSOL-4-PL1	AvriiSOL-5-PL1	AvriiSOL-6-PL1	AvriiSOL-8-PL1	AvriiSOL-10-PL1	AvriiSOL-12-PL1
Ambient temperature range	-30°C — +60°C						
Allowable relative humidity range	0-100%						
Topology	Transformerless						
Degree of protection	IP65						
Max. operating altitude	4000 m						
Weight	17 kg				18 kg		
Cooling	Natural						
Dimensions	430 x 385 x 182 mm						
Display	LCD & Bluetooth + APP						
Warranty	12 years						

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