

AVRii SOL

PV INVERTER

Avrii SOL PL2

Power range 15-24 kW



Maximum efficiency
98.60%



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



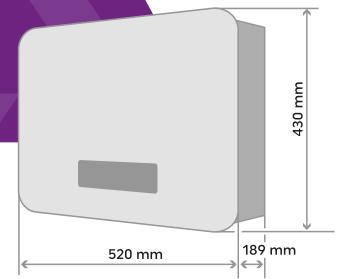
Certified according to European
standards



Easy and quick
installation

PV Inverter Avrii SOL PL2

Power range 15-24 kW



INPUT (DC)

	AvriiSOL-15-PL2	AvriiSOL-17-PL2	AvriiSOL-20-PL2	AvriiSOL-22-PL2	AvriiSOL-24-PL2
Max. input voltage	1100 V				
Start-up voltage	160 V				
Number of MPP trackers	2				
Number of DC inputs	2				
Max. PV input power	15000 W		16500 W		18000 W
MPPT operating voltage range	140-1000 V				
Max. input MPPT current	26 A				
Max. input short circuit current	36 A				
Full power MPPT voltage range	420-850 V	450-850 V	480-850 V	510-850 V	540-850 V

OUTPUT (AC)

	AvriiSOL-15-PL2	AvriiSOL-17-PL2	AvriiSOL-20-PL2	AvriiSOL-22-PL2	AvriiSOL-24-PL2
Rated power	15000 W	17000 W	20000 W	22000 W	24000 W
Max. AC power	16500 VA	18700 VA	22000 VA	24200 VA	26400 VA
Rated grid voltage	3/N/PE, 380V/400Vac				
Grid voltage range	310-480 Vac (according to local standard)				
Rated frequency	45-55/55-65Hz (according to local standard)				
Active power adjustable range	0-100%				
THDI	<3%				
Power factor	1 (adjustable, +/-0.8)				
Max. output current	23,9 A	27,1 A	31,9 A	35,1 A	38,3 A

PERFORMANCE, PROTECTION AND SAFETY

	AvriiSOL-15-PL2	AvriiSOL-17-PL2	AvriiSOL-20-PL2	AvriiSOL-22-PL2	AvriiSOL-24-PL2
Max. efficiency	98.60%				
European efficiency (EU/CEC)	98.20%				
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, Wi-Fi, Bluetooth, (LAN and 4G - optional)				
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-15-PL2	AvriiSOL-17-PL2	AvriiSOL-20-PL2	AvriiSOL-22-PL2	AvriiSOL-24-PL2
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	20 kg	22 kg		23 kg	
Cooling	Fan				
Dimensions	520 x 430 x 189 mm				
Display	LCD & Bluetooth + APP				
Warranty	12 years				

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