

AVRii SOL

PV INVERTER

Avrii SOL PL3

Power range 25-50 kW



12
YEARS
WARRANTY



Maximum efficiency
98.80%



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



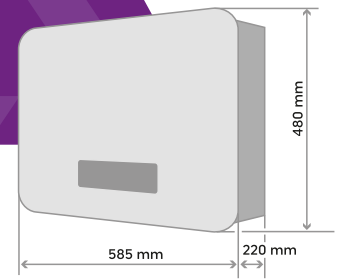
Certified according to European
standards



Easy and quick
installation

PV Inverter Avrii SOL PL3

Power range 25–50 kW



INPUT (DC)

	AvriiSOL-25-PL3	AvriiSOL-30-PL3	AvriiSOL-33-PL3	AvriiSOL-36-PL3	AvriiSOL-40-PL3	AvriiSOL-45-PL3	AvriiSOL-50-PL3
Max. input voltage	1100 V						
Start-up voltage	200V						
Number of MPP trackers	3			4			
Number of DC inputs	2						
Max. PV input power	25000 W						
MPPT operating voltage range	180-1000 V						
Max. input MPPT current	40 A			40 A			
Max. input short circuit current	50 A			50 A			
Full power MPPT voltage range	480-850V	510-850V	540-850V	480-850V	510-850V	540-850V	540-850V

OUTPUT (AC)

	AvriiSOL-25-PL3	AvriiSOL-30-PL3	AvriiSOL-33-PL3	AvriiSOL-36-PL3	AvriiSOL-40-PL3	AvriiSOL-45-PL3	AvriiSOL-50-PL3
Rated power	25000 W	30000 W	33000 W	36000 W	40000 W	45000 W	50000 W
Max. AC power	28000 VA	34000 VA	37000 VA	40000 VA	44000 VA	50000 VA	55000 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	42.4 A	51.5 A	56.0 A	60.6 A	66.7 A	75.8 A	83.3 A

PERFORMANCE, PROTECTION AND SAFETY

	AvriiSOL-25-PL3	AvriiSOL-30-PL3	AvriiSOL-33-PL3	AvriiSOL-36-PL3	AvriiSOL-40-PL3	AvriiSOL-45-PL3	AvriiSOL-50-PL3
Max. efficiency	98.6%			98.8%			
European efficiency (EU/CEC)	98.20%						
Self-consumption at night	<3 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, 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-25-PL3	AvriiSOL-30-PL3	AvriiSOL-33-PL3	AvriiSOL-36-PL3	AvriiSOL-40-PL3	AvriiSOL-45-PL3	AvriiSOL-50-PL3
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	36 kg			37 kg			
Cooling	Fan						
Dimensions	585 x 480 x 220 mm						
Display	LCD & Bluetooth + APP						
Warranty	12 years						

avrii.eu

✉ info@avrii.eu

☎ Office: +48 532 773 779 Sales: +48 694 545 646



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