

3-100 kW 

# AVRii SOL

**PV Inverter**  
**Avrii SOL PL1**  
Power range **3-12 kW**



**10**  
**YEARS**  
**WARRANTY**



Maximum efficiency  
98,5%



Maximum DC input  
voltage 1100 V



Wide range AC voltage



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

10 years warranty



Technical support and service  
of an European producer



Easy and quick  
installation



Certified according  
to European standards



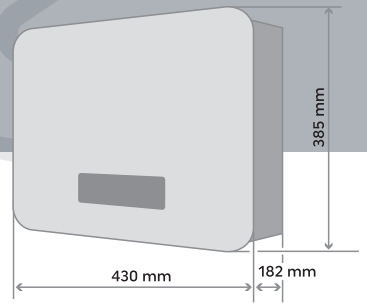
More than  
*energy*



EUROPEAN  
PRODUCER

# 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				10 years			

avrii.eu