

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



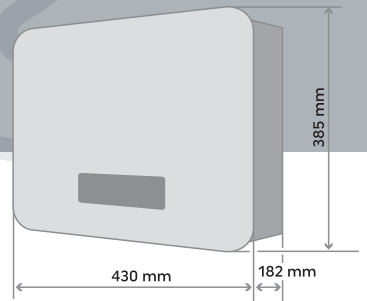
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PV Inverter Avrii SOL PL1

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			

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AVRii SOL

PV Inverter Avrii SOL PL2

Power range **15-24 kW**



10
YEARS
WARRANTY



Maximum efficiency
98,6%



Maximum DC input
voltage 1100 V



Wide range AC voltage



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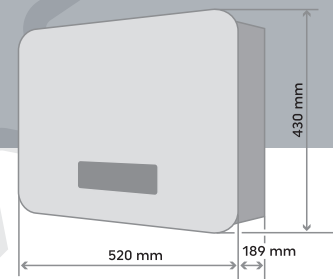
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PV Inverter Avrii SOL PL2

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 - 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-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	10 years				

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AVRii SOL

PV Inverter Avrii SOL PL3

Power range **25-50 kW**



10
YEARS
WARRANTY



Maximum efficiency
98,8%



Maximum DC input
voltage 1100 V



Wide range AC voltage



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

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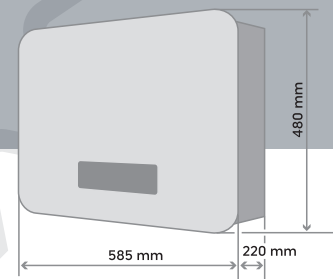
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PV Inverter Avrii SOL PL3

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	200 V						
Number of MPPT 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

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	10 years						

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Avrii Sp. z o. o., ul. Mroźna 8, 33-102 Tarnów, Poland

+48 14 696 88 89

info@avrii.eu



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AVRii SOL

PV Inverter

Avrii SOL PL4

Power range **100-110 kW**



10
YEARS
WARRANTY



Maximum efficiency
98,6%



Maximum DC input
voltage 1100 V



Wide range AC voltage



Communication
RS485,WiFi

10 years warranty



Technical support
and service in Poland



Certified according
to European standards



Easy and quick
installation



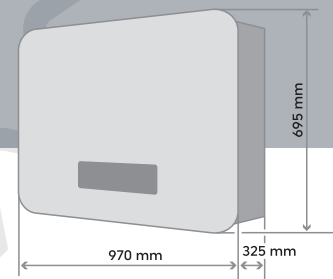
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PV Inverter Avrii SOL PL4

Power range 100–110 kW



INPUT (DC)		
	AvriiSOL-100-PL4	AvriiSOL-110-PL4
Max. input voltage	1100 V	
Start-up voltage	200 V	
Number of MPP trackers	10	
Number of DC inputs	2	
MPPT operating voltage range	180-1000 V	
Max. input MPPT current	40 A	
Max. input short circuit current	50 A	

OUTPUT (AC)		
	AvriiSOL-100-PL4	AvriiSOL-110-PL4
Rated power	100 000 W	110 000 W
Max. AC power	110kVA@45°C / 100kVA@50°C	125kVA@45°C / 110kVA@50°C
Rated grid voltage	3/N/PE, 380V / 400V / 415V	
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	<1%(@100%P)	
Power factor	1 (adjustable, +/-0.8)	
Max. output current	167.2A@380V / 159.5A@400V / 153.1A@415V	190A@380V / 181.2A@400V / 174A@415V

PERFORMANCE, PROTECTION AND SAFETY		
	AvriiSOL-100-PL4	AvriiSOL-110-PL4
Max. efficiency	98.6%	
European efficiency (EU/CEC)	98.30%	
Self-consumption at night	<1 W	
MPPT efficiency	>99.9%	
DC switch	Yes	
AFCI	Yes	
Standard communication mode	RS485, Wi-Fi	
Anti-islanding protection	Yes	
Leakage current protection	Yes	
Groundfault monitor	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	
PV-array string fault monitoring	Yes	
Input SPD	Type II	
Output SPD	Type II	

GENERAL DATA		
	AvriiSOL-100-PL4	AvriiSOL-110-PL4
Ambient temperature range	Od -30°C do +60°C	
Allowable relative humidity range	0-100%	
Topology	Transformerless	
Degree of protection	IP66	
Max. operating altitude	< 4000 m	
Weight	75 kg	
Cooling	Fan	
Dimensions	970 x 695 x 325 mm	
Display	LCD & Bluetooth + APP	
Warranty	10 years	

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