

# AVRii SOL

## PV Inverter Avrii SOL PL4

Power range **100-110 kW**



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



Built-in AFCI function  
- protection against  
electrical arcing



Wide design possibilities  
- 10 MPPT



Adapted for high-current  
and bifacial modules



WiFi communication, RS 485,  
optionally - LAN, 4G

10-year warranty  
as standard



European technical  
and warranty support



Easy installation  
and quick setup



Maximum DC input  
voltage 1100 V



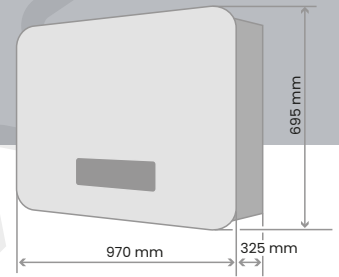
More than  
*energy*



EUROPEAN  
PRODUCER

# 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	

avrii.eu

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

+48 14 696 88 89

info@avrii.eu



Datasheet\_EN\_AvriiSOL\_100-110\_PL4\_Rev.1.0\_07.08.2023