Areswatt New Energy

AW-MIP2.25

AW-MIP2.5



4WD Efficiency Boost – Module-Level Smart MPPT Microinverter

Product features

Ultimate Energy Efficiency

- Up to 4 independent MPPT tracking channels, compatible with multiple PV module specifications, suitable for residential and industrial scenarios
- Rated output power up to 2500VA, power generation efficiency up to 96.5%

Strong signal

- Support WIFI & Bluetooth connection.
- APP connection fast.

Flexibility

- Plug & play installation, Easy to install.
- Single unit can connect 4 PV modules

Safety

- Max DC Voltage 60V. No threat for high DC voltage.
- Protection level IP67.

Reliability

- Composite material technology.
- Better thermal dissipation.
- Standard 10 years warranty.



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Technical Parameters

Model	AW-MIP2.25	AW-MIP2.5
Input[DC]		
Recommended Module Power [W]	400~700W+	
Start up Voltage [V]	22V	
MPPT Voltage Range [V]	16-60V	
Max. Input Voltage [V]	60V	
Max. Input Current [A]	4*18A	
Max. Input Short-circuit Current [A]	4*20A	
Quantity of MPPT	4	
Number of Inputs per MPPT	1	
Output [AC]		
Nominal Continous Output Power [VA]	2250VA	2500VA
Nominal Output Current [A]	10.23A	11.36A
Nominal Output Voltage/Range [V]	L+N+PE, 220,230,240/180～280V	
Nominal frequency/range [Hz]	50/60Hz	
Power Factor	>0.99 default	
Max. Units Per Branch(10AWG)	3	2
THD	<3%	
MPPT Efficiency	99.8%	
Maximum Efficiency	96.5%	
Mechanical Data		
Dimensions [WxHxDmm]	336*274.5*36mm	
Weight [kg]	5Kg	
General Data		
Communication	Wifi、Bluetooth	
Type of Enclosure	IP67	
Cooling	Natural Convection	
Type of isolation	Galvanically Isolated HF Transformer	
Operating Ambient Temperature Range	-40 to +65 ℃	
Compliance	ABNT NBR 16149:2013, ABNT NBR 16150:2013, ABNT NBR IEC 62116:2012, EN 50549-1: 2019, EN 62109-1/-2, EN 61000-6-1/-2/-3/-4	

*Product appearance, dimensions and functional specifications are subject to the actual product. For details, please consult your sales engineer.

Technical Support

For more information about operating environment, technical parameters and customized solutions, please consult our technical specialists.