



Areswatt New Energy

AW-MIP1.8

AW-MIP2.25

AW-MIP2.5



Low DC Voltage Module-level MPPT Safe and Efficient

Product features



Maximized Efficiency

- Up to 4 independent MPPT channels, suitable for residential and industrial scenarios.
- Maximum efficiency 96.5%.



Strong signal

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



Flexibility

- Plug & play installation, Easy to install.



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.



Model	AW-MIP1.8	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*16A	4*18A	
Max. Input Short-circuit Current [A]	4*20A		
Quantity of MPPT	2	4	
Number of Inputs per MPPT	2	1	
Output [AC]			
Nominal Continous Output Power [VA]	1875VA	2250VA	2500VA
Nominal Output Current [A]	8.52A	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	3	2
THD	<3%		
MPPT Efficiency	99.8%		
Maximum Efficiency	96.5%		
Mechanical Data			
Dimensions [WxHxDmm]	336*274.5*43		
Weight [kg]	5.3Kg	5.5Kg	
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		



Technical Support

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