



Areswatt New Energy

AW-MIP0.8

AW-MIP1.0

AW-MIP1.2



# Low - Voltage DC with Module - Level MPPT Safe and Efficient

## Product features



### Maximized Efficiency

Dual - channel independent MPPT control ensures a maximum efficiency of up to 97%.



### Intelligent Connectivity

It supports Wi - Fi and Bluetooth connections. Quick connection via the APP makes energy management easily accessible.



### Plug and Play

With plug - and - play functionality, it is extremely easy to install.



### Efficient Protection

The maximum DC voltage is 60V, effectively eliminating the threat of high - voltage DC. It has an IP67 protection rating.



### Reliable Quality

Featuring die - casting design and potting technology, it offers excellent heat dissipation performance. The standard warranty period is 10 years.



Model	AW-MIP0.8	AW-MIP1.0	AW-MIP1.2
<b>Input[DC]</b>			
Recommended Module Power [W]	300~700W+		
Start up Voltage [V]	22V		
MPPT Voltage Range [V]	16-60V		
Max. Input Voltage [V]	60V		
Max. Input Current [A]	2*14A	2*16A	2*18A
Max. Input Short-circuit Current [A]	2*20A		
Quantity of MPPT	2		
Number of Inputs per MPPT	1		
<b>Output [AC]</b>			
Nominal Continuous Output Power [VA]	800VA	1000VA	1200VA
Nominal Output Current [A]	3.47A	4.35A	5.22A
Nominal Output Voltage/Range [V]	L+N+PE, 220,230,240/180~280		
Nominal Frequency [Hz]	50Hz		
Power Factor	>0.99 default		
Max. Units Per Branch(12AWG)	5	4	3
THD	<3%		
MPPT efficiency	99.8%		
Maximum Efficiency	97%		
CEC Peak Efficiency	96.5%		
<b>Mechanical Data</b>			
Dimensions [WxHxDmm]	242.5*230*44mm		
Weight [kg]	3.3Kg		
<b>General Data</b>			
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	VDE-AR-N 4105: 2018, EN 50549-1: 2019, VFR 2019, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3		



## Technical Support

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