Areswatt New Energy

**AW-MIP1.8**



# 2WD High Efficiency – Dual-Channel Smart MPPT Microinverter

## Product features

**Maximized Efficiency**

- 2 independent MPPT tracking channels, compatible with multiple PV module specifications, suitable for residential and industrial scenarios
- Rated output power 1875VA, power generation efficiency up to 96.5%

**Strong signal**

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

**Flexibility**

- Plug & play installation, Easy to install.
- Smaller body, compact design
- 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-MIP1.8 |
|---|---|
| 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 |
| Max. Input Short-circuit Current [A] | 4*20A |
| Quantity of MPPT | 2 |
| Number of Inputs per MPPT | 2 |
| Output [AC] | |
| Nominal Continous Output Power [VA] | 1875VA |
| Nominal Output Current [A] | 8.52A |
| 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 |
| THD | <3% |
| MPPT Efficiency | 99.8% |
| Maximum Efficiency | 96.5% |
| Mechanical Data | |
| Dimensions [WxHxDmm] | 300*267.5*36mm |
| Weight [kg] | 4.7Kg |
| 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.