

### PRODUCT OVERVIEW

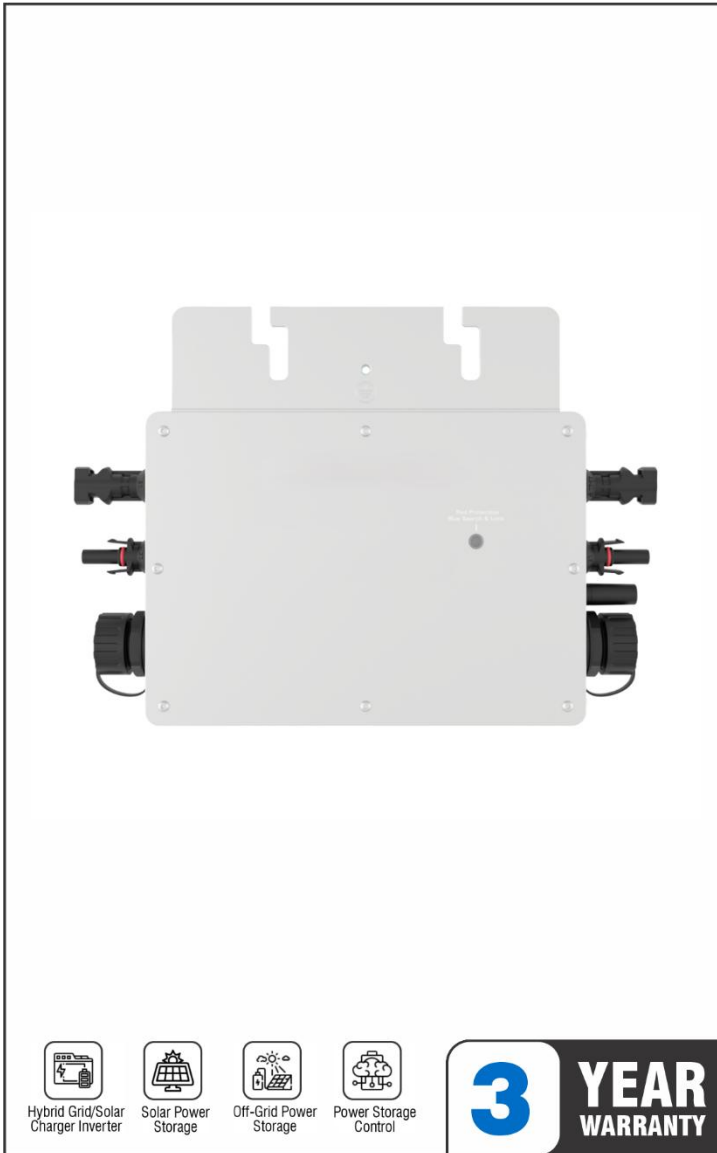
EV-MIV is a high-powered microinverter for 2-to-1 output power up to 800VA. Safer for rooftop solar arrays with rapid shutdown compliance and isolated design.

### FEATURES

- Stable Wi-Fi communication.
- Powerful auto power lock (APL).
- High performance MPPT.
- Reverse power transmission.
- Smart APP monitoring and management.
- Supports parallel connections.
- Flexible for various applications.

### APPLICATIONS

- Residential rooftops
- Areas with uneven shading and or panel orientation
- Applications where rapid shutdown is required



### Product Description

| PART#      | DESCRIPTION                | MAX INPUT | MAX POWER | AC POWER | OUTPUT CURRENT |
|------------|----------------------------|-----------|-----------|----------|----------------|
| EV-MIV-600 | 600W On-Grid Microinverter | 2x14A     | 2x375W    | 120V     | 5A             |
| EV-MIV-700 | 700W On-Grid Microinverter | 2x16A     | 2x435W    | 120V     | 5.9A           |
| EV-MIV-800 | 800W On-Grid Microinverter | 2x18A     | 2x500W    | 120V     | 6.6A           |

### Specifications

| MODEL#                    | EV-MIV-600                          | EV-MIV-700  | EV-MIV-800  |
|---------------------------|-------------------------------------|-------------|-------------|
| DC INPUT                  |                                     |             |             |
| Max Power                 | 2x375W                              | 2x435W      | 2x500W      |
| Starting Voltage          | 22V                                 |             |             |
| MPPT Voltage Range        | 30V~60V                             |             |             |
| Max Input Voltage         | 20V~60V                             |             |             |
| Max Input Current         | 2x14A                               | 2x16A       | 2x18A       |
| Max Short Circuit Current | 2x16A                               | 2x18A       | 2x20A       |
| Max Feedback Current      | 0A                                  |             |             |
| AC OUTPUT                 |                                     |             |             |
| Rated Output Power        | 600W                                | 700W        | 800W        |
| Max Output Current        | 5A @ 120V                           | 5.9A @ 120V | 6.6A @ 120V |
| Grid Voltage/Range (VAC)  | 120V                                |             |             |
| Frequency                 | 50/60Hz                             |             |             |
| PF                        | > 0.99, 0.95 lagging – 0.95 leading |             |             |
| THD                       | <3%                                 |             |             |
| Max Connections / Branch  | 6pcs @ 120V                         |             |             |
| Communications            | Wi-Fi                               |             |             |
| GENERAL DATA              |                                     |             |             |
| Max Efficiency            | 92.70%                              |             |             |
| CEC Weighted Efficiency   | 92.50%                              |             |             |
| MPPT Efficiency           | 99.80%                              |             |             |
| IP Rating                 | NEMA 3R / IP65                      |             |             |
| Degree of Pollution       | PD3                                 |             |             |
| Operating Temperature     | -20°C~50°C                          |             |             |
| Cooling                   | Natural                             |             |             |
| Dimensions (W*D*H mm)     | 283*200*41.6mm                      |             |             |
| Weight (kg)               | 1.46kg                              |             |             |