



HYBRID INVERTER Pure Sine Wave Inverter



HIGH YIELD

- Max. efficiency 95%
- Multiple communication methods



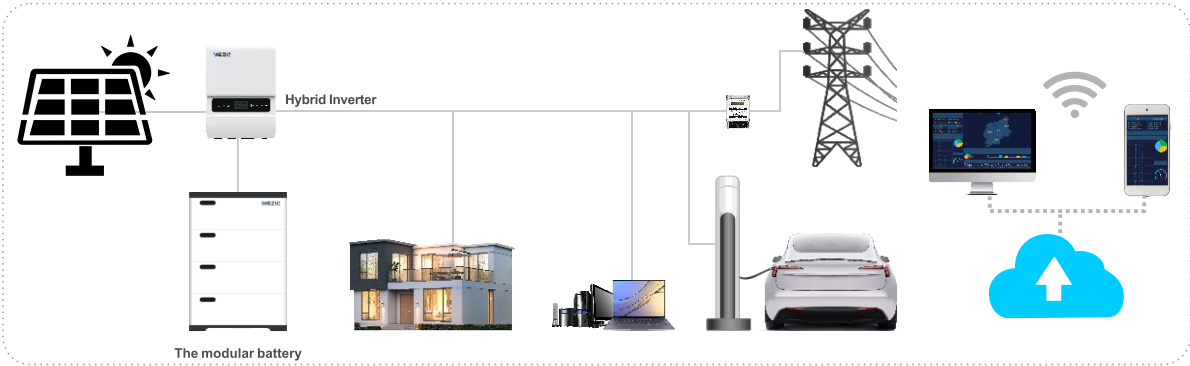
Flexibility and Scalability

- Battery power, mains power or solar power can be set as priority.
- Low voltage and high voltage



Steady and Convenience

- Pure Sine Wave
- Solar power and utility power dually charge



The modular battery

Product Specifications

| Model | MZ-IVH3600-048 | MZ-IVH5600-048 |
|---|---------------------|----------------|
| Battery Input | | |
| Input voltage range (Vdc) | 40-60 | |
| Max. charging current (A) | 60 | 100 |
| Max. output current (A) | 60 | 100 |
| Rated charging power (W) | 3600 | 5600 |
| Rated discharge power (W) | 3600 | 5600 |
| Input Data (PV) | | |
| Max. input Power (W) | 4500 | 6000 |
| Max. input voltage (Vdc) | 500 | |
| MPPT Operating Voltage Range | 120-450 | |
| Start voltage (Vdc) | 120 | |
| Single MPPT input current (A) | 15 | 20 |
| Max. input current of single MPPT (A) | 17 | 22 |
| Number of MTPPs | 1 | |
| Number of Strings Per MTPPs | 2 | |
| AC Output (Grid connected) | | |
| Grid connected output nominal power (VA) | 3600 | 5600 |
| Max. power output for grid connection (VA) | 3600 | 5600 |
| Max. power input for grid connection (VA) | 3600 | 5600 |
| Rated output voltage (Vac) | 230 | |
| Output voltage range (Vac) | 180-270 | |
| Rated operating frequency (Hz) | 50/60(±0.2%) | |
| Max. output current for grid connection (A) | 15 | 24 |
| Max. input current for grid connection (A) | 15 | 24 |
| Conversion time (ms) | 10 | |
| Power factor | 0.8 lead... 0.8 lag | |
| THD | <3% | |
| AC output (Off grid) | | |
| Off grid output nominal power (VA) | 3600 | 5600 |
| Max. output power of off grid (VA) | 3600 | 5600 |
| Max. off-grid output current (A) | 15 | 24 |
| Rated output voltage (Vac) | 230(±2%) | |
| Output voltage range (Vac) | 180-270 | |
| Rated operating frequency (Hz) | 50/60(±0.2%) | |
| THD | <3% | |
| Efficiency | | |
| Max. Efficiency | >95% | |
| Max. DC-AC transformation efficiency | >92% | |
| MPPT Efficiency | 99.9% | |
| General Data | | |
| Operating Temperature (°C) | -15 to 55 | |
| Relative Humidity | 5 ~ 95% | |
| Nosie (Normal) | < 60dB | |
| Communication | Wi-Fi / GPRS | |
| Cooling Method | FAN Cooling | |
| Product Size (LxWxH) (mm) | 450X300X125 | |
| Packing Size (LxWxH) (mm) | 540X380X205 | |
| Net Weight (kg) | 8.8 | 9.8 |
| Gross Weight (kg) | 9.8 | 10.8 |