

# 500W Modified sine wave power inverter



## Technical parameters

| Model                             | M-500W-12V                                                                                                                                                      | M-500W-24V     | M-500W-48V     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| Rated Power                       | 500W                                                                                                                                                            |                |                |
| Peak Power                        | 1000W                                                                                                                                                           |                |                |
| DC Input Voltage Range            | DC12V(9.5V-15.5V)                                                                                                                                               | DC24V(19V-31V) | DC48V(38V-62V) |
| AC Output Voltage (Single Choice) | 100V/110V/120V/220V/230V/240V                                                                                                                                   |                |                |
| Unload Current                    | ≤0.5A                                                                                                                                                           | ≤0.3A          | ≤0.2A          |
| Output Frequency                  | (50Hz±2Hz) or (60Hz±2Hz)                                                                                                                                        |                |                |
| Output Waveform                   | Modified sine wave                                                                                                                                              |                |                |
| Display                           | /                                                                                                                                                               |                |                |
| USB Output Voltage / Current      | 5V@3.4A,9V@2A,12V@1.5A (Support QC3.0 fast charge up to 18W)                                                                                                    |                |                |
| Max. Output Efficiency            | 88%                                                                                                                                                             | 90%            | 92%            |
| Low Voltage Protection            | "Alarm ""Bi"" with 2s interval +red and green lights flashing alternately restart automatically when voltage recover"                                           |                |                |
| Over Voltage Protection           | " Alarm ""BiBi"" with 1s interval +red and green lights flashing alternately restart automatically when voltage recover"                                        |                |                |
| Over Load Protection              | "Alarm ""Bi"" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually." |                |                |
| Over Temp Protection              | " Alarm ""BiBiBi"" with 1s interval +red and green lights flashing alternately restart when temp recover"                                                       |                |                |
| Short Circuit Protection          | Yes                                                                                                                                                             |                |                |
| DC Reverse Connection Protection  | Fuse burnt                                                                                                                                                      |                |                |
| Low Voltage Alarm Range           | 10.5v±0.5v                                                                                                                                                      | 21v±0.5v       | 42v±0.5v       |
| Low Voltage Protection Range      | 9.5v±0.5v                                                                                                                                                       | 19v±0.5v       | 38v±0.5v       |
| Low Voltage Recover Range         | 12v±0.5v                                                                                                                                                        | 23v±0.5v       | 46v±0.5v       |
| Over Voltage Protection Range     | 15.5v±0.5v                                                                                                                                                      | 31v±0.5v       | 62v±0.5v       |
| Over Voltage Recover Range        | 14v±0.5v                                                                                                                                                        | 28v±0.5v       | 56v±0.5v       |
| Working Temperature               | -10°C~50°C                                                                                                                                                      |                |                |
| Cooling Method                    | Fan cooling (Temperature control)                                                                                                                               |                |                |
| Unit Size                         | 218mm*106mm*60mm                                                                                                                                                |                |                |
| N.W/G.W                           | 0.9kg/1.19kg                                                                                                                                                    |                |                |