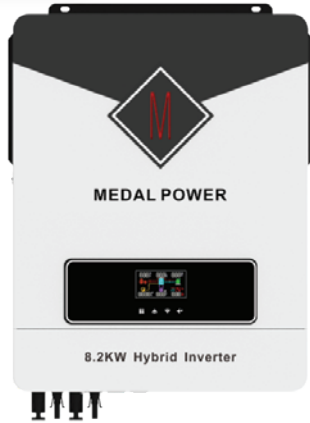


# MPI8.2KW#60VPVN



## Features:

- >> Pure sine wave solar inverter(on/off Grid)
- >> Output power factor 1.0
- >> WIFI&GPRS available for IOS and Android
- >> Inverter running without battery
- >> One-key restoration to factory Settings
- >> Built-in Lithium battery automatic activation
- >> Built-in 120A(for 3.6KW/6.2KW)/140A(for 4. 2KW)
- >> MPPT:Max 6200w(for 3.6kw/4.2kw),max 6500w (for 6.2kw) solar charge
- >> High PV input voltage range(90~450VDC) Built-in anti-dusk kit for harsh environment
- >> Smart battery charge design to optimize battery life
- >> Dual output

## Technical Specifications

|   |                            |
|---|----------------------------|
| <b>MODEL</b>                                  | MPI8.2KW#60VPVN            |
| Phase   | 1-phase                    |
| Maximum PV Input Power                        | 8200W                      |
| Rated Output Power                            | 8200W/8200VA               |
| Maximum Solar Charging Current                | 160A                       |
| <b>GRID-TIE OPERATION</b>                     |                            |
| <b>PV input (DC)</b>                          |                            |
| Nominal DC Voltage/Maximum DC Voltage         | 360VDC/500VDC              |
| Start-up Voltage/initial Feeding Voltage      | 90VDC/120VDC               |
| Maximum DC Voltage                            | 90 VDC ~450VDC             |
| Number of MPPT Trackers/Maximum Input Current | 1/27A                      |
| <b>GRID OUTPUT(AC)</b>                        |                            |
| Nominal Output Voltage                        | 220/230/240VAC             |
| Output Voltage Range                          | 195~253VAC                 |
| Nominal Output Current                        | 35.6A                      |
| Power Factor                                  | >0.99                      |
| Feed-in Grid Frequency Range                  | 49~51±1Hz                  |
| <b>EFFICIENCY</b>                             |                            |
| Maximum Conversion Efficiency (Solar to AC)   | 98%                        |
| <b>TWO LOAD OUTPUT POWER(V2.0)</b>            |                            |
| Full Load                                     | 8200W                      |
| Maximum Main Load                             | 8200W                      |
| Maximum Second Load (battery mode)            | 2733W                      |
| Main Load Cut Off Voltage                     | 44VDC                      |
| Main Load Return Voltage                      | 54 VDC                     |
| <b>OFF-GRID OPERATION</b>                     |                            |
| <b>AC INPUT</b>                               |                            |
| AC Start-up Voltage/Auto Restart Voltage      | 120-140VAC/180VAC          |
| Acceptable Input Voltage Range                | 90-280VAC or 170-280VAC    |
| Maximum AC Input Current                      | 40A                        |
| Nominal operating frequency                   | 50/60Hz                    |
| Surge power                                   | 16400W                     |
| <b>PV INPUT(DC)</b>                           |                            |
| Maximum DC Voltage                            | 500VDC                     |
| MPPT Voltage Range                            | 90VDC~450VDC               |
| Number of MPPT Trackers/Maximum Input Current | 1/27A                      |
| <b>BATTERY MODE OUTPUT(AC)</b>                |                            |
| Nominal Output Voltage                        | 220/230/240VAC             |
| Output Waveform                               | Pure sine wave             |
| Efficiency (DC to AC)                         | %94                        |
| <b>BATTERY &amp; CHARGER</b>                  |                            |
| Nominal DC Voltage                            | 48VDC                      |
| Maximum Charging Current (Solar to AC)        | 160A                       |
| Maximum AC Charging Current                   | 100A                       |
| <b>GENERAL PHYSICAL</b>                       |                            |
| Dimensioned x W x H(mm)                       | 420*310*110                |
| Cartoon Dimension,D X W XH(mm)                | 588*463*205                |
| Net Weight(kgs)                               | 14.2                       |
| Gross Weight(kgs)                             | 15.7                       |
| <b>INTERFACE</b>                              |                            |
| Communication Port                            | RS232/WIFI/Remove LCD/GPRS |
| <b>ENVIRONMENT</b>                            |                            |
| Operating Temperature                         | -10 ~50°C                  |

LEAVE POWER FOR MEDAL POWER