

## MPHi-11000W#48VPVT

### Features:

- High frequency inverter, lighter weight with higher efficiency
- Output power factor PF=1
- lithium battery activation start function with ac and solar mode
- Parallel function to expansion power
- Higher solar charging efficiency and battery protection
- Pure sine wave output, adaptable to different loads
- 500V high PV input
- Optional WIFI function
- Working with or without battery



## Technical Specifications

| Model                    |  | MPHi-11000W#48VPVT  |
|--------------------------|--|---|
| Input                    | Phase  | L+N+PE  |
|                          | Nominal Voltage                              | 208/220/230/240VAC  |
|                          | Voltage Range                                | 154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)  |
|                          | Frequency Range                              | 50Hz/60Hz(Adaptive)   |
| Output                   | Rated Power                                  | <b>11000W</b>   |
|                          | Output Voltage(AC)                           | 208/220/230/240VAC±5%   |
|                          | Output Frequency                             | 50/60Hz±0.1%  |
|                          | Waveform                                     | Pure sine wave  |
|                          | Transfer Time( Optional)                     | 10ms for computer , 20ms for home appliances  |
|                          | Peak power                                   | 22000VA   |
|                          | Overload                                     | Battery Mode:<br>1min@102%~110% Load<br>10s@110%~130% Load<br>3s@130%~150% Load<br>200ms@>150% Load |
| Battery                  | Peak efficiency (battery mode)               | >94%  |
|                          | Rated voltage                                | 48Vdc   |
|                          | Constant voltage charging voltage (Optional) | 56.4Vdc   |
|                          | Floating charge voltage (Optional)           | 54Vdc   |
| charger                  | PV charging method                           | Double MPPT   |
|                          | PV max input power                           | 5500W+5500W   |
|                          | MPPT tracking range                          | 90~500Vdc   |
|                          | Max PV input voltage                         | 500Vdc  |
|                          | Max PV charging current                      | 150A  |
|                          | Max AC charging current                      | 150A  |
|                          | Max charging current                         | 150A  |
| Display                  | LCD display                                  | Operating mode/load/input/output, etc.  |
| Communication port       | RS232  | 5PIN/Pitch2.0mm, baud rate 2400   |
|                          | Expansion & configuration port               | 2×5PIN/Pitch2.54mm, lithium battery BMS communication card, WIFI card, dry contact card, etc.       |
|                          | Parallel interface                           | Yes   |
| Environmental parameters | Operating environment temperature            | 0~40℃   |
|                          | Operating environment humidity               | 20%~95% (Non condensing)  |
|                          | Storage temperature                          | -15~60℃   |
|                          | Altitude                                     | The altitude should not exceed 1000m, derating above 1000m, up to 4000m, refer to IEC62040          |
|                          | noise  | ≤50db   |