

micro<sup>+</sup>

**HMS**

600-800W  
SINGLE PHASE 2MPPTS



Maximum 15A  
PV Input Current



60 °C 600W  
Full Load at

50 °C 800W



Protection Class  
IP67

**HYPONTECH**

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| MODEL                                       | HMS-600W                          | HMS-800W                          |
|---------------------------------------------|-----------------------------------|-----------------------------------|
|                                             |                                   |                                   |
| PV INPUT                                    |                                   |                                   |
| Recommended Power of PV Modules / W         | 320~450                           | 360~450                           |
| Max. Input Voltage / V                      | 60                                | 60                                |
| MPP Voltage Range / V                       | 25~55                             | 25~55                             |
| Start Up Voltage / V                        | 16                                | 16                                |
| Max. Input Current / A                      | 15/15                             | 15/15                             |
| Max. Short Circuit Current / A              | 20/20                             | 20/20                             |
|                                             |                                   |                                   |
| AC OUTPUT                                   |                                   |                                   |
| Rated Power / W                             | 600                               | 800                               |
| Rated Grid Voltage / V                      | 220/230/240                       | 220/230/240                       |
| Grid Connection                             | L-N-PE                            | L-N-PE                            |
| Rated Grid Frequency / Hz                   | 50/60                             | 50/60                             |
| Max. Output Current / A                     | 2.7                               | 3.6                               |
| Power Factor                                | >0.99                             | >0.99                             |
| THDi @ Rated Power                          | <3%                               | <3%                               |
| Max. Units Per Branch                       | 7                                 | 5                                 |
|                                             |                                   |                                   |
| EFFICIENCY                                  |                                   |                                   |
| Max. Efficiency                             | 96.5%                             | 96.5%                             |
| MPPT Efficiency                             | >99.9%                            | >99.9%                            |
|                                             |                                   |                                   |
| PROTECTION FUNCTION                         |                                   |                                   |
| Anti-Islanding Protection                   | Integrated                        | Integrated                        |
| PV String Input Reverse Polarity Protection | Integrated                        | Integrated                        |
| Output Over Current Protection              | Integrated                        | Integrated                        |
| Output Short Circuit Protection             | Integrated                        | Integrated                        |
| Over Voltage Protection                     | Integrated                        | Integrated                        |
| Surge Protection                            | DC Type II, AC Type III           | DC Type II, AC Type III           |
|                                             |                                   |                                   |
| GENERAL DATA                                |                                   |                                   |
| Dimensions (W*H*D) / mm                     | 230*190*46.5 (Not include handle) | 230*190*46.5 (Not include handle) |
| Weight / kg                                 | 3.5                               | 3.5                               |
| Noise Emission (Typical) / dB(A)            | 20                                | 20                                |
| User Interface                              | LED                               | LED                               |
| PV Connection Type                          | MC4                               | MC4                               |
| AC Connection Type                          | Plug-in Connector                 | Plug-in Connector                 |
| Communication with Cloud                    | Wi-Fi                             | Wi-Fi                             |
| Cooling Method                              | Natural Cooling                   | Natural Cooling                   |
| Operating Ambient Temperature / °C          | -40 ~ +65                         | -40 ~ +65                         |
| Relative Humidity / %                       | 0 - 100                           | 0 - 100                           |
| Max. Operating Altitude / m                 | 3000 (>3000 Derating)             | 3000 (>3000 Derating)             |
| Protection Class                            | IP67                              | IP67                              |
| Climatic Category (IEC 60721-3-4)           | 4K4H                              | 4K4H                              |
| Topology                                    | High Frequency Isolated           | High Frequency Isolated           |
| Night Consumption / W                       | <0.05                             | <0.05                             |