

Single Phase
2MPPTs

HPS

3-6.5K

EVERYTHING +

ENERGIZING FUTURE

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Peak Efficiency

98 %



Max. DC Overload

40 %



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Easy to
Install and Service



FEATURES

BLOCK DIAGRAM

| MODEL | HPS-3000 | HPS-3680 | HPS-4000 | HPS-5000 | HPS-6000 | HPS-6500 |
|------------------------------------|----------------------------|----------|----------|----------|----------|----------|
| INPUT / DC | | | | | | |
| Max. PV Power / Wp | 5152 | 5152 | 6160 | 7000 | 7800 | 8125 |
| Max. Input Voltage / V | 600 | | | | | |
| MPP Voltage Range / V | 80 - 520 | | | | 80 - 550 | |
| Start Up Voltage / V | 70 | | | | | |
| Nominal DC-Input Voltage / V | 360 | | | | | |
| Max. Input Current / A | 13/13 | | | | | |
| Max. DC Short Circuit Current / A | 20/20 | | | | | |
| No. of Independent MPPT Inputs | 2 | | | | | |
| No. of PV Strings per MPPT | 1 | | | | | |
| OUTPUT / AC | | | | | | |
| Rated Power / W | 3000 | 3680 | 4000 | 5000 | 6000 | 6500 |
| Max. Apparent AC Power / VA | 3300 | 3680 | 4400 | 5000 | 6000 | 6600 |
| Rated Grid Voltage / Vac | 220/230/240 | | | | | |
| Rated Power Frequency / Hz | 50/60 | | | | | |
| Max. Output Current / A | 15 | 16 | 20 | 23 | 27.3 | 29.6 |
| Power Factor | 0.8ind to 0.8cap | | | | | |
| THDi @ Rated Power | <3% | | | | | |
| EFFICIENCY | | | | | | |
| Max. Efficiency | 97.8% | 97.9% | 97.9% | 97.9% | 98.0% | 98.0% |
| Euro Efficiency | 97.3% | 97.4% | 97.4% | 97.4% | 97.5% | 97.5% |
| PROTECTION | | | | | | |
| Anti-Islanding Protection | Integrated | | | | | |
| Input Reverse Polarity Protection | Integrated | | | | | |
| Insulation Resistance Detection | Integrated | | | | | |
| Residual Current Monitoring | Integrated | | | | | |
| Output Over Current Protection | Integrated | | | | | |
| Output Short Circuit Protection | Integrated | | | | | |
| Over Voltage Protection | II (DC), III (AC) | | | | | |
| Surge Protection | DC: Optional / AC: Type II | | | | | |
| GENERAL DATA | | | | | | |
| Dimensions (W*H*D) / mm | 395*328*154 | | | | | |
| Weight / kg | 9.8 | | | | 10 | |
| Noise Emission (typical) / dB (A) | <20 | | | | | |
| User Interface | LCD&LED or LED | | | | | |
| DC Connection Type | MC4 (SUNCLIX, H4 Optional) | | | | | |
| AC Connection Type | Plug-in Connector | | | | | |
| Communication | RS485/WiFi/GPRS (Optional) | | | | | |
| Cooling Method | Natural Cooling | | | | | |
| Operating Ambient Temperature / °C | -25°C - +60°C | | | | | |
| Relative Humidity | 0% - 100% | | | | | |
| Max. Operating Altitude / m | 3000 (>3000 Derating) | | | | | |
| Protection Class (IEC 60529) | IP65 | | | | | |
| Climatic Category (IEC 60721-3-4) | 4K4H | | | | | |
| Topology | Transformerless | | | | | |
| Night Consumption / W | <1 | | | | | |