

everything³

THREE PHASE 2MPPTS
3-11T

HYPONTECH

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HPT



▶ Peak Efficiency
98.2 %

📦 Max. DC Overload
50 %

🗨️ Aluminum Alloy
Die Casting

💬 MES + FCT + CRM
Infrastructure

⚙️ Easy to
Install and Service

INPUT / DC

| | | | | | | | |
|--|---------|------|------|---------|---------|---------|-------|
| Max. PV Power / Wp | 4620 | 6160 | 7700 | 8400 | 11500 | 13000 | 13000 |
| Max. Input Voltage / V | 1000 | | | | | | |
| MPP Voltage Range / V | 150-850 | | | | | | |
| Min. DC Voltage / Start Up Voltage / V | 150/180 | | | | | | |
| Full Load MPP Voltage Range / V | 210-850 | | | 250-850 | 330-850 | 410-850 | |
| Nominal DC-Input Voltage / V | 620 | | | | | | |
| 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 | 4000 | 5000 | 6000 | 8000 | 10000 | 10500 |
| Max. Apparent AC Power / VA | 3300 | 4400 | 5500 | 6600 | 8800 | 10000 | 10500 |
| Rated Grid Voltage / Vac | 380/400 | | | | | | |
| Grid Connection | 3 / 3L-N-PE | | | | | | |
| Rated Power Frequency / Hz | 50/60 | | | | | | |
| Max. Output Current / A | 5 | 6.5 | 8.5 | 9.6 | 13 | 15.2 | 16 |
| Power Factor | 0.8ind to 0.8cap | | | | | | |
| THDi @ Rated Power | <3% | | | | | | |

EFFICIENCY

| | | | | | | | |
|------------------|-------|--|-------|--|-------|--|--|
| Max. Efficiency | 98.0% | | 98.1% | | 98.2% | | |
| Euro. Efficiency | 97.4% | | | | 97.5% | | |

PROTECTION FUNCTION

| | |
|-----------------------------------|----------------------------|
| 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 | 425*351*160 | |
| Weight / kg | 13.7 | 14 |
| Noise Emission (Typical) / dB(A) | <20 | <25 |
| User Interface | LCD&LED or LED | |
| DC Connection Type | MC4 (D4, SUNCLIX, H4 optional) | |
| AC Connection Type | Plug-in Connector | |
| Communication | RS485/WiFi/GPRS (optional) | |
| Cooling Method | Natural Cooling | |
| Operating Ambient Temperature / C° | -25 ~ +60 | |
| Relative Humidity | 0% to 100% | |
| Max. Operating Altitude / m | 2000 (>2000 Derating) | |
| Protection Class (IEC 60529) | IP65 | |
| Climatic Category (IEC 60721-3-4) | 4K4H | |
| Topology | Transformerless | |
| Night Consumption / W | <1 | |