

everything<sup>3</sup>

THREE PHASE 2MPPTS  
3-11K

**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 (173-520)						
Grid Connection	3 / 3L-N-PE						
Rated Power Frequency / Hz	50/60 (45-65)						
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						

Certifications: VDE0124&4105, EN50549, IEC 61727, IEC62116, IEC60068, IEC61683, IEC62109-1/2.