

everything³

THREE PHASE 2MPPTS
3-11K

HYPONTECH

© HYPONTECH SOLAR ENERGIZING FUTURE

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	