

everything³

THREE PHASE 4MPPTS
30-50K

HYPONTECH

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HPT



▶ Peak Efficiency
98.8 %

📦 Max. DC Overload
50 %

💬 MES + FCT + CRM
Infrastructure

⚙️ Easy to
Install and Service

MODEL	HPT-30K	HPT-33K	HPT-36K	HPT-40K	HPT-50K
INPUT / DC					
Max. PV Power / Wp	49500		54000	60000	65000
Max. Input Voltage / V	1100				
MPP Voltage Range / V	150-1000				
Full Load MPP Voltage Range / V	330-900	330-900	380-900	430-900	500-900
Min. DC Voltage / Start Up Voltage / V	150/180				
Nominal DC-Input Voltage / V	620				
Max. Input Current / A	30/30/30			30/30/30/30	
Max. DC Short Circuit Current / A	45/45/45			45/45/45/45	
No. of Independent MPPT Inputs	3			4	
No. of PV Strings per MPPT	2				
OUTPUT / AC					
Rated Power / W	30000	33000	36000	40000	50000
Max. Apparent AC Power / VA	33000	36300	39600	44000	55000
Rated Grid Voltage / Vac	380/400 (173-520)				
Grid Connection	3 / 3L-N-PE or 3 / 3L-PE				
Rated Power Frequency / Hz	50/60(45-65)				
Max. Output Current / A	50	55	60	66.7	80
Power Factor	0.8ind to 0.8cap				
THDi @ Rated Power	<3%				
EFFICIENCY					
Max. Efficiency	98.7%				98.8%
Euro. Efficiency	98.3%				98.4%
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: Type II / AC: Type II				
GENERAL DATA					
Dimensions (W*H*D) / mm	580*435*242				
Weight / kg	38			40	
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	Smart Fan 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.