

everything<sup>3</sup>

**HPT**

30-50K  
THREE PHASE 4MPPTS



▶ Peak Efficiency  
**98.8 %**

📦 Max. DC Overload  
**50 %**

💬 MES + FCT + CRM  
Infrastructure

⚙️ Easy to Install and  
Service

**HYPONTECH**

HYPON.COM  
HYPONTECH SOLAR ENERGIZING FUTURE

EG 20231115

**HPT**

MODEL	HPT-30K	HPT-33K	HPT-36K	HPT-40K	HPT-50K
<b>PV INPUT</b>					
Max.PV Power / W	49500	49500	54000	60000	65000
Max. Input Voltage / V	1100	1100	1100	1100	1100
MPP Voltage Range / V	150-1000	150-1000	150-1000	150-1000	150-1000
Start Up Voltage / V	150	150	150	150	150
Rated Input Voltage / V	620	620	620	620	620
Max. Input Current / A	30/30/30	30/30/30	30/30/30	30/30/30/30	30/30/30/30
Max. Short Circuit Current / A	45/45/45	45/45/45	45/45/45	45/45/45/45	45/45/45/45
No. of MPPTs/No. Strings Per MPPTs	3/2	3/2	3/2	4/2	4/2
<b>AC OUTPUT</b>					
Rated Power / W	30000	33000	36000	40000	50000
Max. Apparent Power / VA	33000	36300	39600	44000	55000
Rated Grid Voltage / V	380/400	380/400	380/400	380/400	380/400
Grid Connection	3L-N-PE or 3L-PE	3L-N-PE or 3L-PE	3L-N-PE or 3L-PE	3L-N-PE or 3L-PE	3L-N-PE or 3L-PE
Rated Grid Frequency / Hz	50/60	50/60	50/60	50/60	50/60
Max. Output Current / A	50	55	60	66.7	80
Power Factor	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap
TH Di @ Rated Power	<3%	<3%	<3%	<3%	<3%
<b>EFFICIENCY</b>					
Max. Efficiency	98.7%	98.7%	98.7%	98.7%	98.8%
Euro. Efficiency	98.3%	98.3%	98.3%	98.3%	98.4%
MPPT Efficiency	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
<b>PROTECTION FUNCTION</b>					
Anti-Islanding Protection	Integrated				
PV String Input Reverse Polarity Protection	Integrated				
Insulation Resistance Detection	Integrated				
Residual Current Monitoring Unit	Integrated				
Output Over Current Protection	Integrated				
Output Short Circuit Protection	Integrated				
Over Voltage Protection	Integrated				
Surge Protection	DC: Type II / AC: Type II				
<b>GENERAL DATA</b>					
Dimensions (W*H*D) / mm	580*435*242				
Weight / kg	42.3				
User Interface	LCD&LED				
PV Connection Type	MC4 (D4, SUNCLIX, H4 optional)				
Communication with Cloud	RS485/Wi-Fi/4G/LAN (optional)				
Cooling Method	Smart Fan Cooling				
Operating Ambient Temperature / °C	-25 ~ +60				
Relative Humidity / %	0-100				
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				