

everything³

HPT¹

60-80K
THREE PHASE 6MPPTS



Peak Efficiency
98.7 %



PV Oversizing
150 %



Type II SPD for both
DC and AC



Optional AFCI
Function



Protection Class
IP66

HYPONTECH

HYPON.COM
© HYPONTECH SOLAR ENERGIZING FUTURE

EN 20250610

MODEL	HPT-60K		HPT-70K		HPT-75K		HPT-80K	
PV INPUT								
Max.PV Power / W	90000		105000		112500		120000	
Max. Input Voltage / V	1000		1000		1000		1000	
Min. DC Voltage / Start Up Voltage / V	150/180		150/180		150/180		150/180	
Nominal DC-Input Voltage / V	620		620		620		620	
MPP Voltage Range / V	150-950		150-950		150-950		150-950	
Full Load MPP Voltage Range / V	330-800		375-800		400-800		420-800	
Max. Input Current / A	6*32		6*32		6*32		6*32	
Max. DC Short Circuit Current / A	6*50		6*50		6*50		6*50	
No. of Independent MPPT Inputs	6		6		6		6	
No. of PV Strings per MPPT	2		2		2		2	
AC OUTPUT								
Rated Power / kW	60		70		75		80	
Max. Apparent AC Power / VA	66		77		82.5		88	
Rated Grid Voltage / Vac	220/380;230/400		220/380;230/400		220/380;230/400		220/380;230/400	
Rated Power Frequency / Hz	50/60		50/60		50/60		50/60	
Max. Output Current / A	100.3		117.0		125.3		133.7	
Power Factor	0.8 leading - 0.8 lagging		0.8 leading - 0.8 lagging		0.8 leading - 0.8 lagging		0.8 leading - 0.8 lagging	
THDi @ Rated Power	<3%		<3%		<3%		<3%	
Grid Connection	3L-N-PE		3L-N-PE		3L-N-PE		3L-N-PE	
EFFICIENCY								
MPPT Efficiency	>99.9%		>99.9%		>99.9%		>99.9%	
Max. Efficiency	98.70%		98.70%		98.70%		98.70%	
Euro. Efficiency	98.40%		98.40%		98.40%		98.40%	
PROTECTION FUNCTION								
Anti-Islanding Protection	Integrated	Output Over Current Protection	Integrated	IV Curve Scanning	Integrated			
Input Reverse Polarity Protection	Integrated	Output Short Circuit Protection	Integrated	24H Online Monitoring	Opt			
Insulation Resistance Detection	Integrated	Ground Fault Monitoring	Integrated	AFCI	Opt			
Residual Current Monitoring	Integrated	PV String Monitoring	Integrated	Over Voltage Protection	DC:II / AC:III			
				Surge Protection	DC Type II, AC Type II			
GENERAL DATA								
Dimensions (W*H*D) / mm	677*539*281							
Weight / Kg	55.4							
User Interface	LCD&LED or LED							
PV Connection Type	D4							
AC Connection Type	OT Terminal							
Communication	RS485/Wi-Fi/4G/LAN (optional)							
Cooling Method	Smart Fan Cooling							
Operating Ambient Temperature / °C	-30 ~ +60							
Relative Humidity / %	0-100							
Max. Operating Altitude / m	3000 (>3000 derating)							
Protection Class	IP66							
Climatic Category (IEC 60721-3-4)	4K4H							
Topology	Non-isolated							
Night Consumption / W	<2							