


everything³

HPT

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

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EN 20241210

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	57.3				
User Interface	LCD&LED or LED				
PV Connection Type	MC4				
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	No-isolated				
Night Consumption / W	<2				
STANDARD					
Safety	IEC62109-1/ICE62109-2 / IEC61727				
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3				
Cetification	CQC/EN50549/NBR 16149				