

everything³

HPT¹ PRO

20-30K
THREE PHASE 2MPPTS



 Peak Efficiency
98.6 %

 PV Oversizing
150 %

 Type II SPD for both
DC and AC

 Optional AFCI
Function

 Protection Class
IP65

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MODEL	HPT-20KP		HPT-25KP		HPT-30KP	
PV INPUT						
Max.PV power / W	30000		37500		45000	
Max. input voltage / V	1100		1100		1100	
Start up voltage / V	180		180		180	
Min.operating voltage / V	150		150		150	
Nominal input voltage / V	620		620		620	
MPPT voltage range / V	150-1000		150-1000		150-1000	
Max. input current / V	16+16/16+16		16+16/16+16		16+16/16+16	
Max. short current / A	20+20/20+20		20+20/20+20		20+20/20+20	
No. of MPPTs	2		2		2	
No. strings per MPPT	2		2		2	
AC OUTPUT						
Rated AC power / W	20000		25000		30000 ^①	
Max. apparent AC power / VA	22000		27500		30000	
Rated grid voltage(AC voltage range) / V	220/380;230/400		220/380;230/400		220/380;230/400	
Rated grid frequency / Hz	50/60		50/60		50/60	
Max. AC output current / A	31.9		39.9		43.5	
Displacement power factor	0.8 leading - 0.8 lagging		0.8 leading - 0.8 lagging		0.8 leading - 0.8 lagging	
Total harmonic distortion(THDi, rated power)	<3%		<3%		<3%	
Grid connection	3L-N-PE		3L-N-PE		3L-N-PE	
EFFICIENCY						
MPPT efficiency / %	>99.9%		>99.9%		>99.9%	
Max. efficiency / %	98.60%		98.60%		98.60%	
Euro efficiency / %	98.20%		98.20%		98.20%	
PROTECTION FUNCTION						
Anti-islanding protection	Integrated	Output over current protection	Integrated	24H online monitoring	Opt	
PV string input reverse polarity protection	Integrated	Output short protection	Integrated	AFCI	Opt	
Insulation resistor detection	Integrated	Over voltage protection	Integrated			
Residual current monitoring unit	Integrated	Surge protection	Integrated, DC Type II/ AC Type II			
GENERAL DATA						
Dimensions (W*H*D) / mm	487*351*168					
Weight / Kg	18.7					
User Interface	LCD&LED					
DC Connection Type	MC4 (D4, SUNCLIX, H4 optional)					
AC Connection Type	Plug-in connector					
Communication	RS485/Wi-Fi/4G/LAN (optional)					
Cooling Method	Smart Cooling Concept					
Operating Ambient Temperature Range/ °C	-30~ +60					
Allowable Relative Humidity Range / %	0-100					
Max. Operating Atitude / m	3000 (>2000 derating)					
Degree of Protection	IP65					
Climatic Category (IEC 60721-3-4)	4K4H					
Topology	No-isolated					
Night Consumption / W	<1 (Without night monitoring), <6 (With night monitoring)					

①:Rated power cannot reach 30,000W in areas with 220V grid voltage.