

everything³

HPT¹

15-30KL
THREE PHASE 4MPPTS



 Peak Efficiency
98.8 %

 Max. DC Overload
150 %

 MES + FCT + CRM
Infrastructure

 Easy to Install and
Service

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EN 20260410



MODEL	HPT-15KL	HPT-20KL	HPT-22KL	HPT-25KL	HPT-30KL
PV INPUT					
Max.PV Power / W	24000	30000	33000	37500	45000
Max. Input Voltage / V	1000	1000	1000	1000	1000
MPP Voltage Range/ V	150-950	150-950	150-950	150-950	150-950
Start Up Voltage / V	150/180	150/180	150/180	150/180	150/180
Rated Input Voltage / V	360	360	360	360	360
Max. Input Current / A	30	30	30	30	30
Max. Short Circuit Current / A	45	45	45	45	45
No. of MPPTs/No. Strings Per MPPT	3/2	3/2	3/2	4/2	4/2
AC OUTPUT					
Rated Power / W	15000	20000	22000	25000	30000
Max. Apparent Power / VA	16500	22000	24200	27500	33000
Rated Grid Voltage / V	127/220	127/220	127/220	127/220	127/220
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	60	60	60	60	60
Max. Output Current / A	48	60	66	73	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%
EFFICIENCY					
Max. Efficiency	98.7%	98.7%	98.7%	98.7%	98.8%
Euro. Efficiency	98.3%	98.3%	98.3%	98.3%	98.4%
MP PT Efficiency	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
PROTECTION FUNCTION					
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: II /AC: III				
GENERAL DATA					
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	IP65				
Topology	Transformerless				
Night Consumption / W	<1				