

everything³


THREE PHASE 4MPPTS
15-30KL

HYPONTECH

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HPT



 Peak Efficiency
98.8 %

 Max. DC Overload
50 %

 MES + FCT + CRM
Infrastructure

 Easy to
Install and Service

MODEL

HPT-15KL

HPT-20KL

HPT-22KL

HPT-25KL

HPT-30KL

INPUT / DC

Max. PV Power / Wp	24000	30000		37500	45000
Max. Input Voltage / V	1000				
MPP Voltage Range / V	150-950				
Full Load MPP Voltage Range / V	200-900			230-900	
Min. DC Voltage / Start Up Voltage / V	150/180				
Nominal DC-Input Voltage / V	360				
Max. Input Current / A	30*3			30*4	
Max. DC Short Circuit Current / A	45*3			45*4	
No. of Independent MPPT Inputs	3			4	
No. of PV Strings per MPPT	2			2	

OUTPUT / AC

Rated Power / W	15000	20000	22000	25000	30000
Max. Apparent AC Power / VA	16500	22000	24200	27500	33000
Rated Grid Voltage / Vac	127/220				
Grid Connection	3 / 3L-N-PE or 3 / 3L-PE				
Rated Power Frequency / Hz	60				
Max. Output Current / A	48	60	66	73	80
Power Factor	0.8ind to 0.8cap				
THDi @ Rated Power	<3%				

EFFICIENCY

Max. Efficiency	98.7%				98.8%
Euro. Efficiency	98.3%				98.4%

PROTECTION FUNCTION

Anti-Islanding Protection	Integrated
Input Reverse Polarity Protection	Integrated
Insulation Resistance Detection	Integrated
Residual Current Monitoring	Integrated
Output Over Current Protection	Integrated
Output Short Circuit Protection	Integrated
Over Voltage Protection	II (DC), III (AC)
Surge Protection	DC: Type II / AC: Type II

GENERAL DATA

Dimensions (W*H*D) / mm	580*435*242
Weight / kg	38
User Interface	LCD&LED or LED
DC Connection Type	MC4 (D4, SUNCLIX, H4 optional)
Communication	RS485/WiFi/GPRS (optional)
Cooling Method	Smart Fan Cooling
Operating Ambient Temperature / C°	-25 ~ +60
Relative Humidity	0% to 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