

Three Phase
2MPPTs

HPT

15-25K

EVERYTHING³

Highest Power Density

ENERGIZING FUTURE

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Peak Efficiency

98.6 %



Max. DC Overload

50 %



MES + FCT + CRM
Infrastructure



Easy to
Install and Service



FEATURES

BLOCK DIAGRAM

MODEL	HPT-15K	HPT-17K	HPT-20K	HPT-25K
INPUT / DC				
Max. PV Power / Wp	22500	25500	30000	30000
Max. Input Voltage / V	1000			
MPP Voltage Range / V	150 - 900			
Min. DC Voltage / Start Up Voltage / V	150/180			
Full Load MPP Voltage Range / V	330 - 900	380 - 900	430 - 900	500 - 900
Nominal DC-Input Voltage / V	620			
Max. Input Current / A	26/26			
Max. DC Short Circuit Current / A	40/40			
No. of Independent MPPT Inputs	2			
No. of PV Strings per MPPT	2			
OUTPUT / AC				
Rated Power / W	15000	17000	20000	25000
Max. Apparent AC Power / VA	16500	19000	22000	25000
Rated Grid Voltage / Vac	380/400	3 / 3L-N-PE		
Rated Power Frequency / Hz	50/60			
Max. Output Current / A	24	27.6	31.9	36.3
Power Factor	0.8ind to 0.8cap			
THDi @ Rated Power	<3%			
EFFICIENCY				
Max. Efficiency	98.6%			
Euro Efficiency	98.2%			
PROTECTION				
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: Optional / AC: Type II			
GENERAL DATA				
Dimensions (W*H*D) / mm	425*351*200			
Weight / kg	20			
Noise Emission (typical) / dB (A)	<45			
User Interface	LCD&LED or LED			
DC Connection Type	MC4 (D4, SUNCLIX, H4 Optional)			
AC Connection Type	Plug-in Connector			
Communication	RS485/WiFi/GPRS (Optional)			
Cooling Method	Smart Fan cooling			
Operating Ambient Temperature / °C	-25°C - +60°C			
Relative Humidity	0% - 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			