

Three Phase
2MPPTs

HPT

3-11K

EVERYTHING³

ENERGIZING FUTURE

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Peak Efficiency

98.2 %



Max. DC Overload

50 %



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Easy to
Install and Service



FEATURES

BLOCK DIAGRAM

MODEL	HPT-3000	HPT-4000	HPT-5000	HPT-6000	HPT-8000	HPT-10000	HPT-11K
INPUT / DC							
Max. PV Power / Wp	4620	6160	7700	8400	11500	13000	13000
Max. Input Voltage / V	1000						
MPP Voltage Range / V	150 - 850						
Min. DC Voltage / Start Up Voltage / V	150/180						
Full Load MPP Voltage Range / V	210 - 850	210 - 850	210 - 850	250 - 850	330 - 850	410 - 850	410 - 850
Nominal DC-Input Voltage / V	620						
Max. Input Current / A	13/13						
Max. DC Short Circuit Current / A	20/20						
No. of Independent MPPT Inputs	2						
No. of PV Strings per MPPT	1						
OUTPUT / AC							
Rated Power / W	3000	4000	5000	6000	8000	10000	10500
Max. Apparent AC Power / VA	3300	4400	5500	6000	8800	10000	10500
Rated Grid Voltage / Vac	380/400 3 / 3L-N-PE						
Rated Power Frequency / Hz	50/60						
Max. Output Current / A	5	6.5	8.5	9	13	15.2	16
Power Factor	0.8ind to 0.8cap						
THDi @ Rated Power	<3%						
EFFICIENCY							
Max. Efficiency	98.0%	98.0%	98.1%	98.1%	98.2%	98.2%	98.2%
Euro Efficiency	97.4%	97.4%	97.4%	97.4%	97.5%	97.5%	97.5%
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*160						
Weight / kg	13.7				14		
Noise Emission (typical) / dB (A)	<20				<25		
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	Natural 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						