HPT

Three Phase 4 MPPTs

33-50K

Features

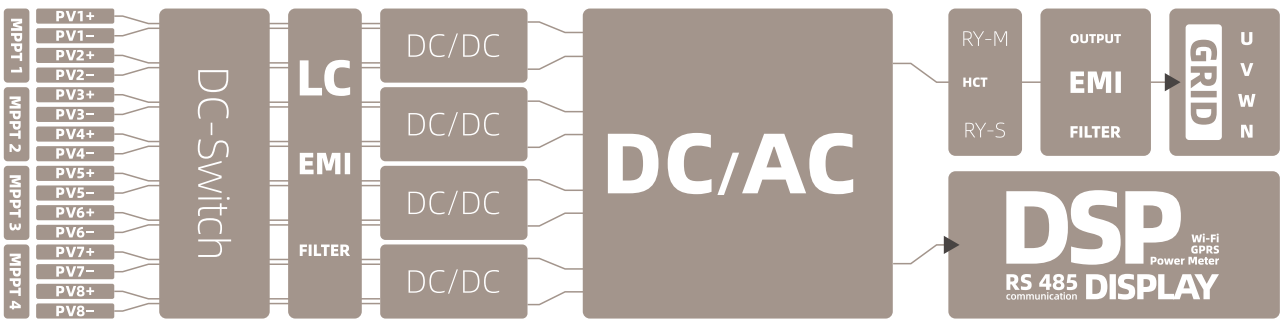
MES + FCT + CRM
Infrastructure

Max. DC Overload
50%

Peak Efficiency
98.8%

Easy to
Install and Service

Block Diagram



MODEL	HPT-33K	HPT-36K	HPT-40K	HPT-50K
INPUT / DC				
Max. PV Power / Wp	49500	54000	60000	65000
Max. Input Voltage / V	1100			
MPP Voltage Range / V	150 - 1000			
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 x 3	26 x 4		
Max. DC Short Circuit Current / A	40 x 3	40 x 4		
No. of Independent MPPT Inputs	3	4		
No. of PV Strings per MPPT	2			
OUTPUT / AC				
Rated Power / W	33000	36000	40000	50000
Max. Apparent AC Power / VA	36300	39600	44000	50000
Rated Grid Voltage / Vac	380/400 3 / 3L-N-PE			
Rated Power Frequency / Hz	50/60			
Max. Output Current / A	52.2	57.4	66.7	72.5
Power Factor	0.8ind to 0.8cap			
THDi at Rated Power	<3%			
EFFICIENCY				
Max. Efficiency	98.7%	98.7%	98.7%	98.8%
Euro Efficiency	98.3%	98.3%	98.3%	98.4%
PROTECTION				
Anti-Islanding Protection	Integrated			
Input Reverse Polarity Protection	Integrated			
Insulation Resistor Detection	Integrated			
Residual Current Monitoring Unit	Integrated			
Output Over Current Protection	Integrated			
Output Short Circuit Protection	Integrated			
Output 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	36	38		
User Interface	LCD&LED or LED (LCD optional)			
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 / ℃	-25℃ - +60℃			
Relative Humidity	0% - 100%			
Max. Operating Altitude / m	2000 (>2000 Derating)			
Degree of Protection (IEC 60529)	IP65			
Climatic Category (IEC 60721-3-4)	4K4H			
Isolation Method	Transformerless			
Power Loss On Night Mode / W	<1			

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