

HPT

Three Phase 2 MPPTs

3-11K



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



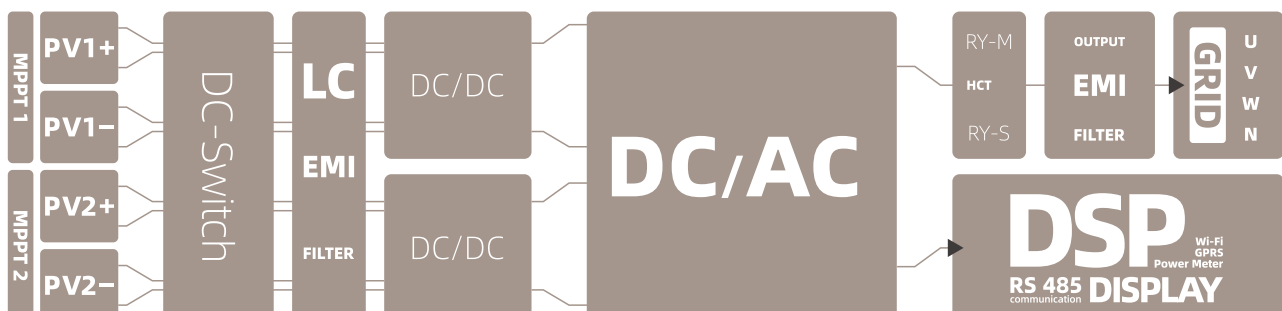
Max. DC Overload
50%



Peak Efficiency
98.2%



Easy to
Install and Service



Features

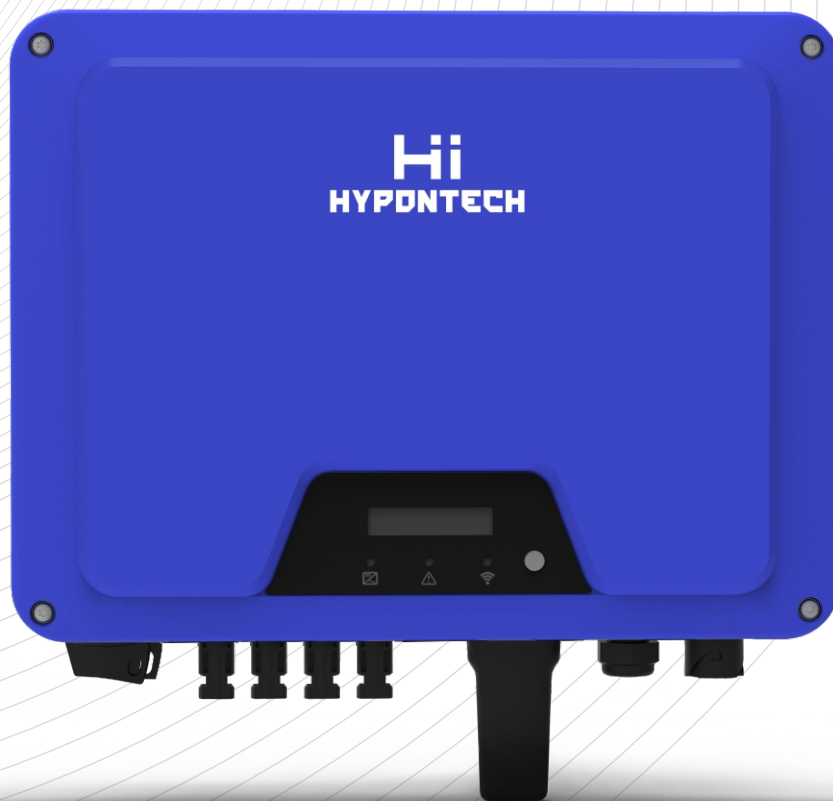
Block Diagram

MODEL	HPT-3000	HPT-4000	HPT-5000	HPT-6000	HPT-8000	HPT-10000	HPT-11000
INPUT / DC							
Max. PV Power / W _p	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	12.5/12.5						
Max. DC Short Circuit Current / A	15.6/15.6						
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 / V _{ac}	380/400						
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 at 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 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: 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)				MC4 (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)						
Degree of Protection (IEC 60529)	IP65						
Climatic Category (IEC 60721-3-4)	4K4H						
Isolation Method	Transformerless						
Power Loss On Night Mode / W	<1						

HPT

Three Phase 2 MPPTs

15-25K



MES + FCT + CRM
Infrastructure



Max. DC Overload
50%



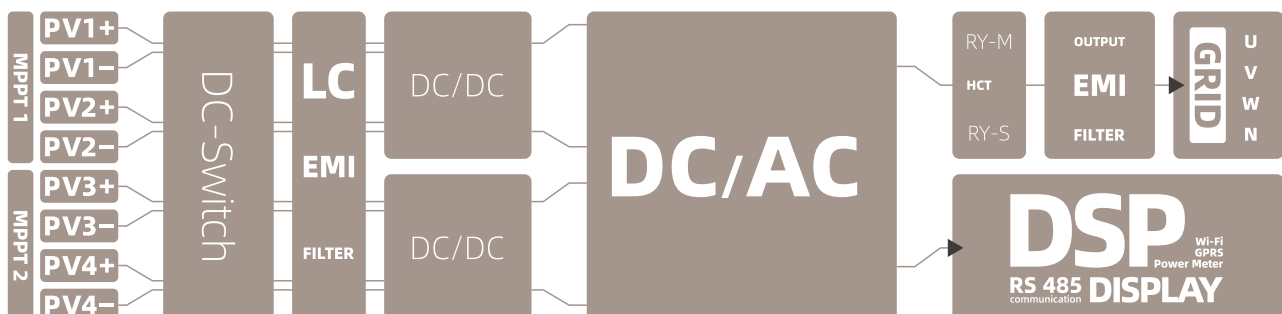
Peak Efficiency
98.6%



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 at Rated Power	<3%			
EFFICIENCY				
Max. Efficiency	98.6%			
Euro Efficiency	98.2%			
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: 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)			
Degree of Protection (IEC 60529)	IP65			
Climatic Category (IEC 60721-3-4)	4K4H			
Isolation Method	Transformerless			
Power Loss On Night Mode / W	<1			