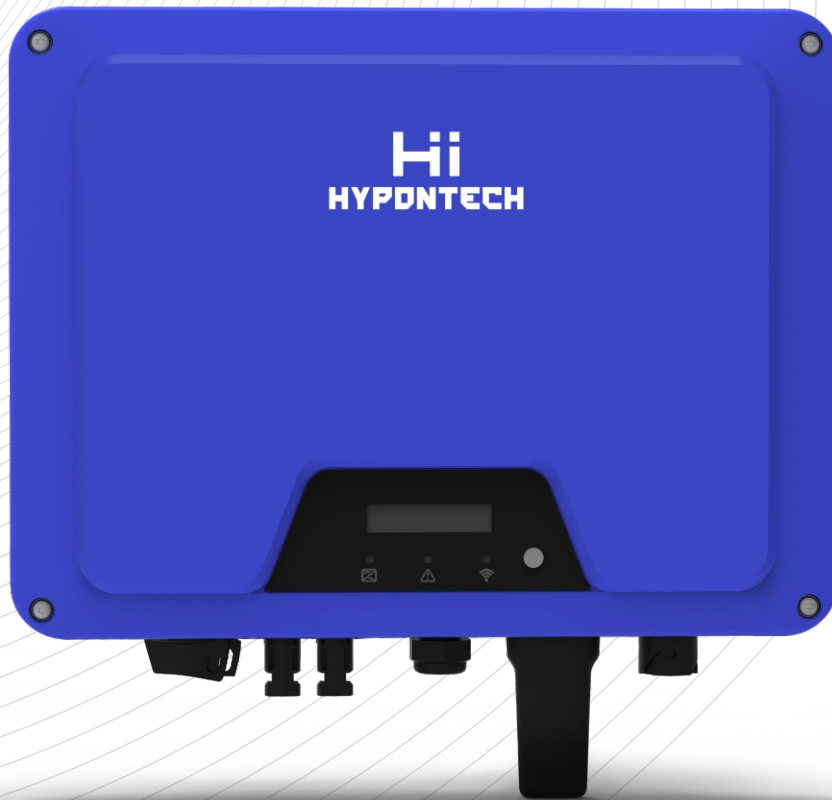


# HPT

Three Phase 2 MPPTs

3-11K



Aluminum Alloy  
Die Casting



MES + FCT + CRM  
Infrastructure



Max. DC Overload  
50%



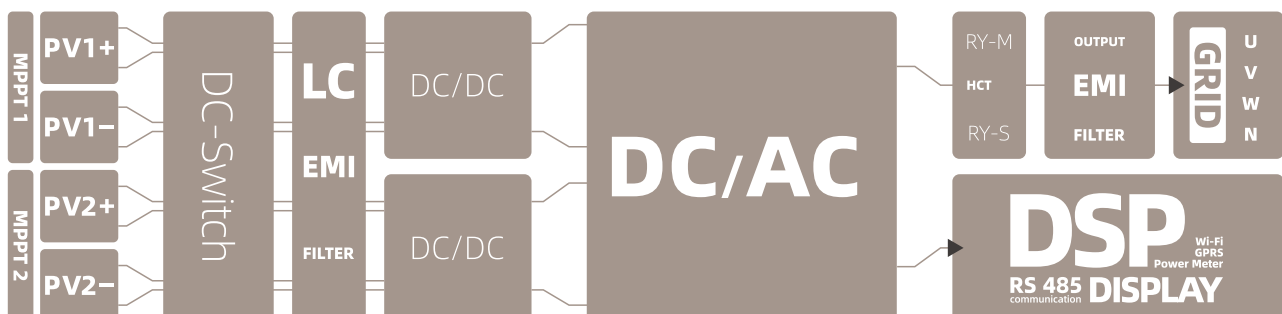
Peak Efficiency  
98.2%



Easy to  
Install and Service

Features

Block Diagram



MODEL	HPT-3000	HPT-4000	HPT-5000	HPT-6000	HPT-8000	HPT-10000	HPT-11000
<b>INPUT / DC</b>							
Max. PV Power / W <sub>p</sub>	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						
<b>OUTPUT / AC</b>							
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 at Rated Power	<3%						
<b>EFFICIENCY</b>							
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%
<b>PROTECTION</b>							
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						
<b>GENERAL DATA</b>							
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						