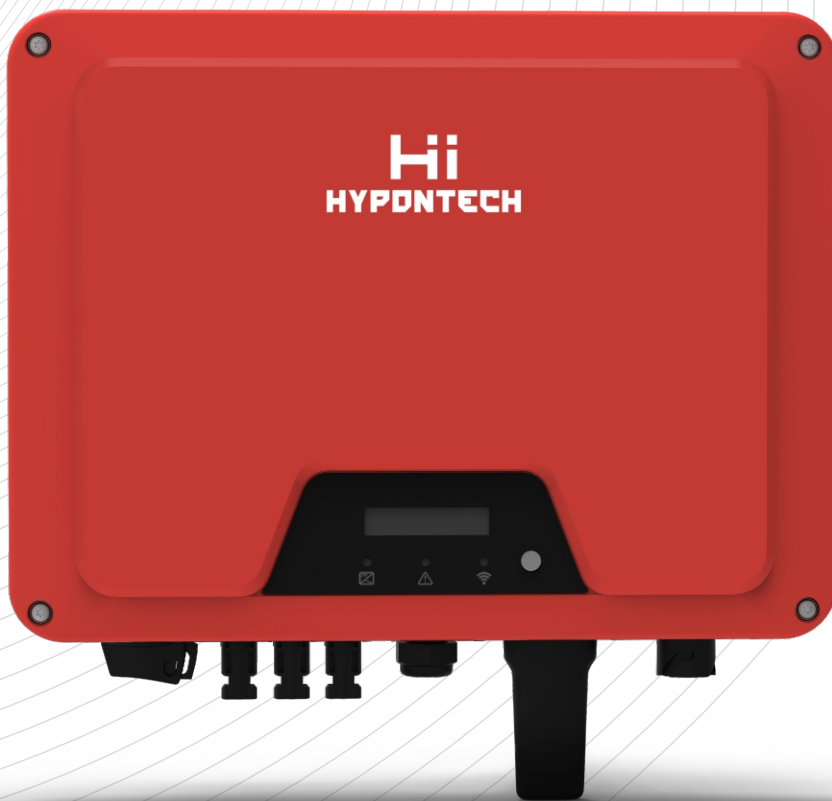


HPS

Single Phase 2 MPPTs

7-8K



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Max. DC Overload
50%



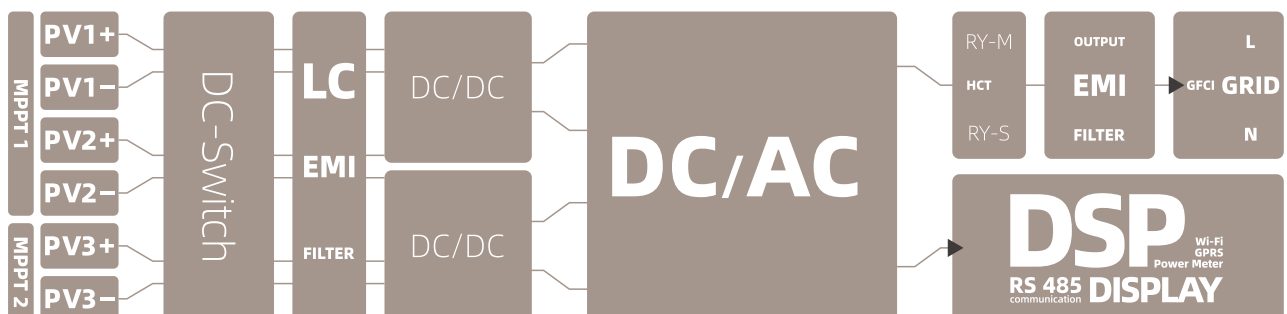
Peak Efficiency
98.1%



Easy to
Install and Service

Features

Block Diagram



MODEL	HPS-7000	HPS-8000
INPUT / DC		
Max. PV Power / W _p	10500	12000
Max. Input Voltage / V	600	
MPP Voltage Range / V	80 - 550	
Start Up Voltage / V	70	
Nominal DC-Input Voltage / V	360	
Max. Input Current / A	26/13	
Max. DC Short Circuit Current / A	40/20	
No. of Independent MPPT Inputs	2	
No. of PV Strings per MPPT	2+1	
OUTPUT / AC		
Rated Power / W	7000	8000
Max. Apparent AC Power / VA	7700	8500
Rated Grid Voltage / V _{ac}	220/230/240	
Rated Power Frequency / Hz	50/60	
Max. Output Current / A	33.5	35.0
Power Factor	0.8ind to 0.8cap	
THDi at Rated Power	<3%	
EFFICIENCY		
Max. Efficiency	98.0%	98.0%
Euro Efficiency	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	13.3	
Noise Emission (typical) / dB (A)	<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	3000 (>3000 Derating)	
Degree of Protection (IEC 60529)	IP65	
Climatic Category (IEC 60721-3-4)	4K4H	
Isolation Method	Transformerless	
Power Loss On Night Mode / W	<1	