

everything<sup>+</sup>

**HPS** PRO

7-10.5KP

SINGLE PHASE 2/3MPPTS



▶ Peak Efficiency  
**98%**

📅 Max. DC Overload  
**50%**

🗨️ Aluminum Alloy  
Die Casting

💬 MES + FCT + CRM  
Infrastructure

⚙️ Easy to Install and  
Service

**HYPONTECH**

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MODEL	HPS-7000P	HPS-8000P	HPS-9000P	HPS-10000P	HPS-10500P
<b>PV INPUT</b>					
Max.PV Power / W	10500	12000	13500	15000	15000
Max.Input Voltage / V	600	600	600	600	600
Start Up Voltage / V	70	70	70	70	70
Nominal Input Voltage / V	360	360	360	360	360
MPP Voltage Range / V	80-550	80-550	80-550	80-550	80-550
Max. Input Current / A	16/16	16/16	16/16/16	16/16/16	16/16/16
Max. Short Current / A	20/20	20/20	20/20/20	20/20/20	20/20/20
No. Of MPP Trackers	2	2	3	3	3
No. Strings Per MPP Tracker	1	1	1	1	1
<b>AC OUTPUT DATA</b>					
Rated AC Power / W	7000	8000	9000	10000	10500@230V 10100@220V
Max. Apparent AC Power / VA	7700	8500	9900	10000	10500@230V 10100@220V
Rated Grid Voltage(AC Voltage Range) / V	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240
Rated Grid Frequency / Hz	50/60	50/60	50/60	50/60	50/60
Max. AC Output Current / A	33.5	37.0	45.0	45.5	46.0
Displacement Power Factor	0.8 leading - 0.8 lagging				
Total Harmonic Distortion(THDi, rated power) <3%	<3%	<3%	<3%	<3%	<3%
Grid Connection	L/N/PE	L/N/PE	L/N/PE	L/N/PE	L/N/PE
<b>EFFICIENCY</b>					
MPPT Efficiency / %	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
Max. Efficiency / %	98.0%	98.0%	98.0%	98.0%	98.0%
Euro Efficiency / %	97.6%	97.6%	97.6%	97.6%	97.6%
<b>PROTECTION</b>					
Anti-islanding Protection	Integrated				
PV String Input Reverse Polarity Protection	Integrated				
Insulation Resistor Detection	Integrated				
Residual Current Monitoring Unit	Integrated				
Output Over Current Protection	Integrated				
Output Short Protection	Integrated				
Over Voltage Protection	Integrated				
Surge Protection	Integrated				
AFCI Protection	Optional				
24h Online Monitoring	Optional				
<b>GENERAL DATA</b>					
Dimensions(W*H*D) / mm	425*351*160	Operating Ambient Temperature Range / °C -25 C ~ +60 C			
Weight / Kg	14	Allowable Relative Humidity Range / % 0-100			
User Interface	LCD&LED	Max. Operating Altitude / m 3000 (>3000 derating )			
DC Connection Type	MC4 (D4, SUNCLIX, H4 optional)	Degree Of Protection IP65			
AC Connection Type	Plug-in connector	Climatic Category (IEC 60721-3-4) 4K4H			
Communication	RS485/WiFi/GPRS(Opt)	Topology Non-isolated			
Cooling Method	Natural	Power Consumption At Night / W <1			
<b>STANDARD</b>					
Safety	IEC62109-1/IEC62109-2 / IEC61727				
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3				
Certification	NB/T32004/ RD1699 /NBR16149 /AS4777				