

everything⁺

SINGLE PHASE 2MPPTS
3-6.5K

HYPONTECH

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HPS



▶ Peak Efficiency
98 %

📦 Max. DC Overload
40 %

🗨️ Aluminum Alloy
Die Casting

💬 MES + FCT + CRM
Infrastructure

⚙️ Easy to
Install and Service

MODEL

HPS-3000L HPS-3680 HPS-4000 HPS-5000 HPS-6000 HPS-6500

INPUT / DC

Max. PV Power / Wp	5152		6160	7000	7800	8125
Max. Input Voltage / V	600					
MPP Voltage Range / V	80-520				80-550	
Start Up Voltage / V	70					
Nominal DC-Input Voltage / V	360					
Max. Input Current / A	13/13					
Max. DC Short Circuit Current / A	20/20					
No. of Independent MPPT Inputs	2					
No. of PV Strings per MPPT	1					

OUTPUT / AC

Rated Power / W	3000	3680	4000	5000	6000	6500
Max. Apparent AC Power / VA	3300	3680	4400	5000	6000	6600
Rated Grid Voltage / Vac	220/230/240					
Grid Connection	L-N-PE					
Rated Power Frequency / Hz	50/60					
Max. Output Current / A	15	16	20	23	27.3	29.6
Power Factor	0.8ind to 0.8cap					
THDi @ Rated Power	<3%					

EFFICIENCY

Max. Efficiency	97.8%	97.9%			98.0%	
Euro. Efficiency	97.3%	97.4%			97.5%	
MPPT Efficiency	>99.9%					

PROTECTION FUNCTION

Anti-Islanding Protection	Integrated
Input Reverse Polarity Protection	Integrated
Insulation Resistance Detection	Integrated
Residual Current Monitoring	Integrated
Output Over Current Protection	Integrated
Output Short Circuit Protection	Integrated
Over Voltage Protection	II (DC), III (AC)
Surge Protection	DC: Optional / AC: Type II

GENERAL DATA

Dimensions (W*H*D) / mm	395*328*154	
Weight / kg	9.8	10
Noise Emission (Typical) / dB(A)	<20	
User Interface	LCD&LED or LED	
DC Connection Type	MC4 (SUNCLIX, H4 optional)	
AC Connection Type	Plug-in Connector	
Communication	RS485/WiFi/GPRS (optional)	
Cooling Method	Natural Cooling	
Operating Ambient Temperature / C°	-25 ~ +60	
Relative Humidity	0% to 100%	
Max. Operating Altitude / m	3000 (>3000 Derating)	
Protection Class (IEC 60529)	IP65	
Climatic Category (IEC 60721-3-4)	4K4H	
Topology	Transformerless	
Night Consumption / W	<1	