

everything⁺

SINGLE PHASE 2MPPTS
7-9K

HYPONTECH

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HPS



▶ Peak Efficiency
98 %

📦 Max. DC Overload
50 %

🗨️ Aluminum Alloy
Die Casting

💬 MES + FCT + CRM
Infrastructure

⚙️ Easy to
Install and Service

INPUT / DC

Max. PV Power / Wp	10500	12000	13500
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	9000
Max. Apparent AC Power / VA	7700	8800	9900
Rated Grid Voltage / Vac	220/230/240		
Grid Connection	L-N-PE		
Rated Power Frequency / Hz	50/60		
Max. Output Current / A	35	40.0	45
Power Factor	0.8ind to 0.8cap		
THDi @ Rated Power	<3%		

EFFICIENCY

Max. Efficiency	98.0%		
Euro. Efficiency	97.6%		
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	425*351*160
Weight / kg	14
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 ~ +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