

light⁺

SINGLE PHASE 1MPPT
1-3K

HYPONTECH

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HIPK



Peak Efficiency
97.6 %



Max. DC Overload
50 %



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Light
and Compact



Easy to
Install and Service

MODEL

HPK-1000

HPK-1500

HPK-2000

HPK-2500

HPK-3000

INPUT / DC

Max. PV Power / Wp	1650	2475	3300	3750	4500
Max. Input Voltage / V	500				
MPP Voltage Range / V	50~450				
Start Up Voltage / V	40				
Nominal DC-Input Voltage / V	360				
Max. Input Current / A	13				
Max. DC Short Circuit Current / A	20				
No. of Independent MPPT Inputs	1				
No. of PV Strings per MPPT	1				

OUTPUT / AC

Rated Power / W	1000	1500	2000	2500	3000
Max. Apparent AC Power / VA	1100	1650	2200	2750	3300
Rated Grid Voltage / Vac	220/230/240				
Grid Connection	L-N-PE				
Rated Power Frequency / Hz	50/60				
Max. Output Current / A	5	7.5	10	12	13.8
Power Factor	0.8ind to 0.8cap				
THDi @ Rated Power	<3%				

EFFICIENCY

Max. Efficiency	97.2%	97.3%		97.6%	
Euro. Efficiency	96.4%	96.6%		97.0%	

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	297*223*117	
Weight / kg	4.5	4.8
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	