

light⁺

HPK

1-3K
SINGLE PHASE 1MPPT



Peak Efficiency
97.6 %



Max. DC Overload
50 %



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Light and
Compact



Easy to Install and
Service

HYPONTECH

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MODEL	HPK-1000	HPK-1500	HPK-2000	HPK-2500	HPK-3000
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PV INPUT

Max. PV Power / W	1500	2250	3000	3750	4500
Max. Input Voltage / V	550	550	550	550	550
MPP Voltage Range / V	50~545	50~545	50~545	50~545	50~545
Start Up Voltage / V	40	40	40	40	40
Rated Input Voltage / V	360	360	360	360	360
Max. Input Current / A	16	16	16	16	16
Max. Short Circuit Current / A	20	20	20	20	20
No. of MPPTs/No. Strings Per MPPT	1/1	1/1	1/1	1/1	1/1

AC OUTPUT

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	220/230/240	220/230/240	220/230/240	220/230/240
Grid Connection	L-N-PE	L-N-PE	L-N-PE	L-N-PE	L-N-PE
Rated Power Frequency / Hz	50/60	50/60	50/60	50/60	50/60
Max. Output Current / A	5.0	7.5	10.0	12.0	13.8
Power Factor	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap
THDi @ Rated Power	<3%	<3%	<3%	<3%	<3%

EFFICIENCY

Max. Efficiency	97.2%	97.3%	97.3%	97.6%	97.6%
Euro. Efficiency	96.4%	96.6%	96.6%	97.0%	97.0%
MPPT Efficiency	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%

PROTECTION FUNCTION

Anti-Islanding Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
Insulation Resistance Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Short Circuit Protection	Integrated
Over Voltage Protection	Integrated
Surge Protection	Integrated

GENERAL DATA

Dimensions (W*H*D) / mm	297*223*116				
Weight / kg	4.5	4.5	4.5	4.8	4.8
Noise Emission (Typical) / dB(A)	<20				
User Interface	LCD&LED or LED				
PV Connection Type	MC4 (D4, SUNCLIX, H4 optional)				
AC Connection Type	Plug-in				
Communication with Cloud	Wi-Fi/4G/LAN (optional)				
Cooling Method	Natural Cooling				
Operating Ambient Temperature / °C	-25 ~ +60				
Relative Humidity / %	0 - 100				
Max. Operating Altitude / m	3000 (>3000 Derating)				
Protection Class	IP65				
Climatic Category (IEC 60721-3-4)	4K4H				
Topology	Non-isolated				
Night Consumption / W	<1				