

light+

HYPON PRO

4 - 5KP
SINGLE PHASE 1MPPT



Peak Efficiency
98.1 %



Max. DC Overload
150 %



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Light and
Compact



Easy to Install and
Service

HYPONTECH

 **HYPON.COM**
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MODEL

HPK-4000P

HPK-5000P

PV INPUT DATA

Max.PV Power / W	6000	7500
Max.Input Voltage / V	600	600
Start Up Voltage / V	60	60
Nominal Input Votlage / V	360	360
MPP Voltage Range / V	50-550	50-550
Max. Input Current / A	20	20
Max. Short Current / A	26	26
No. of MPP Trackers	1	1
No. Strings per MPP Tracker	1	1

AC OUTPUT DATA

Rated AC power / W	4000	5000
Max. Apparent AC Power / VA	4400	5500
Rated Grid Voltage(AC voltage range) / V	220/230/240	220/230/240
Rated Grid Frequency / Hz	50/60	50/60
Max. AC Output Current / A	19.1	23.9
Displacement Power Factor	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging
Total Harmonic Distortion(THDi, rated power)	<3%	<3%
Grid Connection	L/N/PE	L/N/PE

EFFICIENCY

MPPT Efficiency	>99.9%	>99.9%
Max. Efficiency	98.10%	98.10%
Euro Efficiency	97.40%	97.40%

PROTECTION FUNCTION

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, DC Type II/ AC Type II

GENERAL DATA

Dimensions(W*H*D) / mm	312*248*139
Weight / Kg	6.48
User Interface	LCD&LED
DC Connection Type	D4
AC Connection Type	Plug-in connector
Communication	RS485/WiFi/GPRS/4G(Opt)
Cooling Method	Natural
Operating Ambient Temperature Range	-30°C ~ +60°C
Allowable Relative Humidity Range / %	0-100
Max. Operating Altitude / m	3000 (>3000 derating)
Degree of Protection	IP65
Topology	Transformerless
Power Consumption at Night / W	<1