

everything⁺

HPS PRO

7-10KP

SINGLE PHASE 2/3MPPTS



Peak Efficiency
98%



Max. DC Overload
50%



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Easy to Install and
Service

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MODEL	HPS-7000P	HPS-7500P	HPS-8000P	HPS-9000P	HPS-10000P
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PV INPUT

Max. PV Power / W	10500	11250	12000	13500	15000
Max. Input Voltage / V	600	600	600	600	600
Start Up Voltage / V	70	70	70	70	70
Nominal Input Votlage / V	360	360	360	360	360
MPP Voltage Range / V	80-550	80-550	80-550	80-550	80-550
Max. Input Current / A	16/16	16/16	16/16	16/16/16	16/16/16
Max. Short Current / A	20/20	20/20	20/20	20/20/20	20/20/20
No. Of MPP Trackers	2	2	2	3	3
No. Strings Per MPP Tracker	1	1	1	1	1

AC OUTPUT DATA

Rated AC Power / W	7000	7500	8000	9000	10000
Max. Apparent AC Power / VA	7700	7500	8800	9900	10000
Rated Grid Voltage(AC Voltage Range) / V	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240
Rated Grid Frequency / Hz	50/60	50/60	50/60	50/60	50/60
Max. AC Output Current / A	35.0	34.0	40.0	45.0	45.5
Displacement Power Factor	0.8 leading - 0.8 lagging				
Total Harmonic Distortion(THDi, rated power)	<3%	<3%	<3%	<3%	<3%
Grid Connection	L-N-PE	L-N-PE	L-N-PE	L-N-PE	L-N-PE

EFFICIENCY

MPPT Efficiency	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
Max. Efficiency	98.0%	98.0%	98.0%	98.0%	98.0%
Euro Efficiency	97.6%	97.6%	97.6%	97.6%	97.6%

PROTECTION

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	DC Type II/ AC Type II
AFCI Protection	Optional
24h Online Monitoring	Optional

GENERAL DATA

Dimensions(W*H*D) / mm	425*351*168	Operating Ambient Temperature Range / °C	-30~ +60
Weight / Kg	15.1	Allowable Relative Humidity Range / %	0-100
User Interface	LCD&LED	Max. Operating Altitude / m	3000 (>3000 derating)
DC Connection Type	D4 (MC4, SUNCLIX, H4 optional)	Degree Of Protection	IP66
AC Connection Type	Plug-in connector	Climatic Category (IEC 60721-3-4)	4K4H
Communication	LAN/RS485/WiFi/4G(Opt)	Topology	Non-isolated
Cooling Method	Natural	Power Consumption At Night / W	<1