

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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HPS ^{PRO}		HPS-7000P	HPS-7500P	HPS-8000P	HPS-9000P	HPS-10000P
MODEL						
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				
STANDARD						
Safety	IEC62109-1/ICE62109-2 / IEC61727					
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3					
Cetification	NB/T32004/ RD1699 /NBR16149 /AS4777					