

everything⁺

HPS PRO

3-6KP

SINGLE PHASE 2MPPTS



Peak Efficiency
98.1%



Max.DC Overload
150%



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Easy to Install and
Service

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MODEL	HPS-3000P	HPS-3680P	HPS-4000P	HPS-4600P	HPS-5000P	HPS-6000P
PV INPUT						
Max.PV Power / W	4500	5400	6000	7000	7500	9000
Max.Input Voltage / V	600					
Start Up Voltage / V	40					
Min.Operating Voltage / V	50					
Nominal Input Voltage / V	360					
MPPT Voltage Range / V	50-550					
Max. Input Current / V	16/16					
Max. Short Current / A	20/20					
No. Of MPPTs	2					
No. Strings Per MPPT	1					
AC OUTPUT						
Rated AC Power / W	3000	3680	4000	4600	5000	6000
Max. Apparent AC Power / VA	3300	3680	4400	4600	5500	6600
Rated Grid Voltage(AC voltage range) / V	220/230/240					
Rated Grid Frequency / Hz	50/60					
Max. AC Output Current / A	14.3	16.0	19.1	20.0	23.9	28.7
Displacement Power Factor	0.8 leading - 0.8 lagging					
Total Harmonic Distortion(THDi, rated power)	<3%					
Grid Connection	L/N/PE					
EFFICIENCY						
MPPT Efficiency	>99.9%					
Max. Efficiency	98.1%	98.1%	98.1%	98.1%	98.1%	98.1%
Euro Efficiency	97.4%	97.4%	97.5%	97.5%	97.5%	97.5%
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	Integrated, DC Type II/ AC Type II					
AFCI	Opt					
24H Online Monitoring	Opt					
GENERAL DATA						
Dimensions(W*H*D) / mm	366*276*133		Operating Ambient Temperature Range / °C		-30--+60	
Weight / Kg	8.2		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	RS485/WiFi/4G/LAN(Opt)		Topology		Non-isolated	
Cooling Method	Natural		Power Consumption At Night / W		<1(Without night monitoring), <6(With night monitoring)	