

energizing
future



HPS

3.68-6.5K



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Max. DC Overload
40%



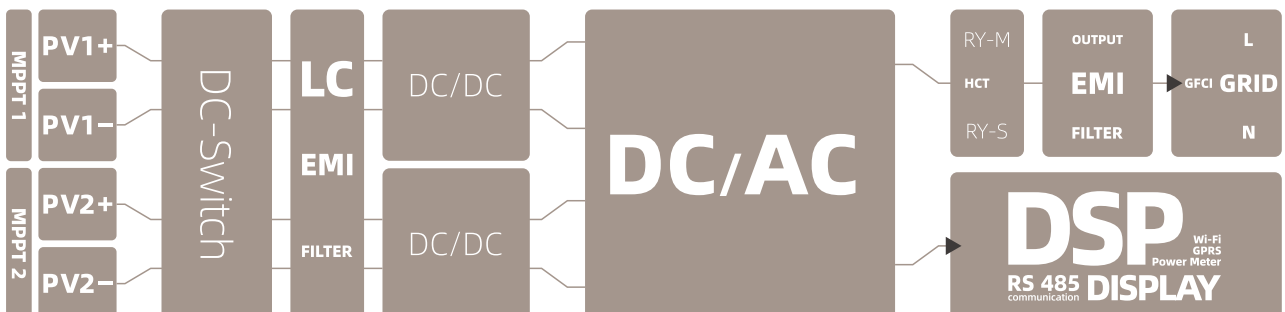
Peak Efficiency
98%



Easy to
Install and Service

Features

Block Diagram



MODEL	HPS-3680	HPS-4000	HPS-5000	HPS-6000	HPS-6500
INPUT / DC					
Max. PV Power / W _p	5152	6160	7000	7800	8125
Max. Input Voltage / V	600				
MPP Voltage Range / V	80 - 520				80 - 550
Start Up Voltage / V	70				
Nominal DC-Input Voltage / V	360				
Max. Input Current / A	12/12				
Max. DC Short Circuit Current / A	15/15				
No. of Independent MPPT Inputs	2				
No. of PV Strings per MPPT	1				
OUTPUT / AC					
Rated Power / W	3680	4000	5000	6000	6500
Max. Apparent AC Power / VA	3680	4400	5000	6000	6600
Rated Grid Voltage / V _{ac}	220/230/240				
Rated Power Frequency / Hz	50/60				
Max. Output Current / A	16	20	23	27.3	29.6
Adjustable Displacement Power Factor	0.8ind to 0.8cap				
THDi at Rated Power	<3%				
EFFICIENCY					
Max. Efficiency	97.9%	97.9%	97.9%	98.0%	98.0%
Euro Efficiency	97.4%	97.4%	97.4%	97.5%	97.5%
PROTECTION					
Anti-Islanding Protection	Integrated				
Input Reverse Polarity Protection	Integrated				
Insulation Resistor Detection	Integrated				
Residual Current Monitoring Unit	Integrated				
Output Over Current Protection	Integrated				
Output Short Circuit Protection	Integrated				
Output Over Voltage Protection	Integrated				
Surge Protection	II (DC), III (AC)				
GENERAL DATA					
Dimensions (W*H*D) / mm	395*328*154				
Weight / kg	9.5				
Noise Emission (typical) / dB (A)	<20				
User Interface	LCD&LED or LED				
DC Connection Type	MC4 (SUNCLIX, H4 Optional)				
AC Connection Type	Plug-in Connector				
Communication	RS485/WiFi/GPRS (Optional)				
Cooling Method	Natural Cooling				
Operating Ambient Temperature / °C	-25°C - +60°C				
Relative Humidity	0% - 100%				
Max. Operating Altitude / m	3000 (>3000 Derating)				
Degree of Protection (IEC 60529)	IP65				
Climatic Category (IEC 60721-3-4)	4K4H				
Isolation Method	Transformerless				
Power Loss On Night Mode / W	<1				