

HPS

Single Phase 2 MPPTs

3-6.5K



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Max. DC Overload
40%



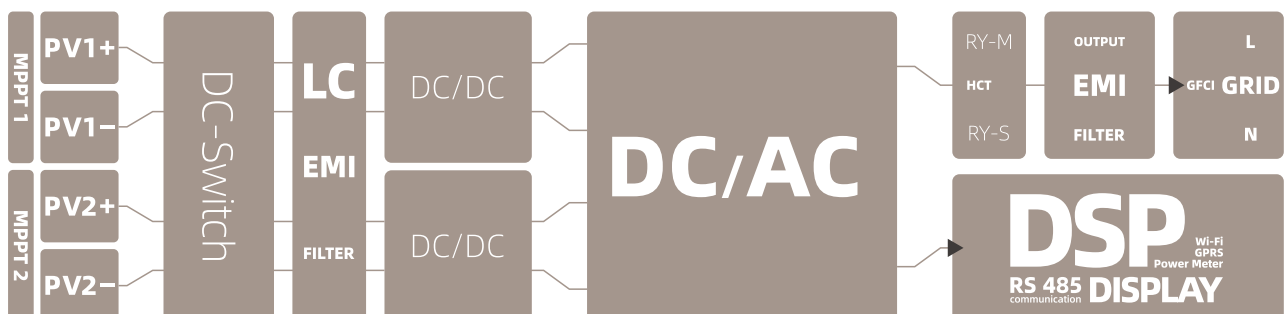
Peak Efficiency
98%



Easy to
Install and Service

Features

Block Diagram



MODEL	HPS-3000	HPS-3680	HPS-4000	HPS-5000	HPS-6000	HPS-6500
INPUT / DC						
Max. PV Power / Wp	5152	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	3000	3680	4000	5000	6000	6500
Max. Apparent AC Power / VA	3300	3680	4400	5000	6000	6600
Rated Grid Voltage / Vac	220/230/240					
Rated Power Frequency / Hz	50/60					
Max. Output Current / A	15	16	20	23	27.3	29.6
Power Factor	0.8ind to 0.8cap					
THDi at Rated Power	<3%					
EFFICIENCY						
Max. Efficiency	97.8%	97.9%	97.9%	97.9%	98.0%	98.0%
Euro Efficiency	97.3%	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	II (DC), III (AC)					
Surge Protection	DC: Optional / AC: Type II					
GENERAL DATA						
Dimensions (W*H*D) / mm	395*328*154					
Weight / kg	9.8				10	
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					