

# HPS

Single Phase 1 MPPT

1.5-3K



Aluminum Alloy  
Die Casting



MES + FCT + CRM  
Infrastructure



Max. DC Overload  
40%



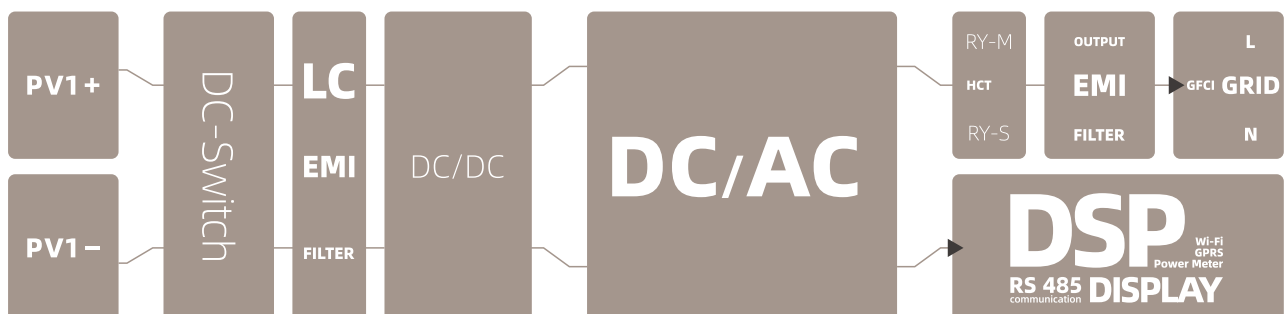
Peak Efficiency  
97.8%



Easy to  
Install and Service

Features

Block Diagram



MODEL	HPS-1500	HPS-2000	HPS-3000
<b>INPUT / DC</b>			
Max. PV Power / W <sub>p</sub>	2310	3080	4200
Max. Input Voltage / V	600		
MPP Voltage Range / V	80 - 480		80 - 520
Start Up Voltage / V	70		
Nominal DC-Input Voltage / V	360		
Max. Input Current / A	12.5		
Max. DC Short Circuit Current / A	15.2		
No. of Independent MPPT Inputs	1		
No. of PV Strings per MPPT	1		
<b>OUTPUT / AC</b>			
Rated Power / W	1500	2000	3000
Max. Apparent AC Power / VA	1650	2200	3300
Rated Grid Voltage / V <sub>ac</sub>	220/230/240		
Rated Power Frequency / Hz	50/60		
Max. Output Current / A	8.5	12	15
Power Factor	0.8ind to 0.8cap		
THDi at Rated Power	<3%		
<b>EFFICIENCY</b>			
Max. Efficiency	97.8%	97.8%	97.8%
Euro Efficiency	97.3%	97.3%	97.4%
<b>PROTECTION</b>			
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		
<b>GENERAL DATA</b>			
Dimensions (W*H*D) / mm	395*328*154		
Weight / kg	9		
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		