

# HPK

Single Phase 1 MPPT

1-3K



Aluminum Alloy  
Die Casting



Max. DC Overload  
50%



Peak Efficiency  
97.6%



MES + FCT + CRM  
Infrastructure



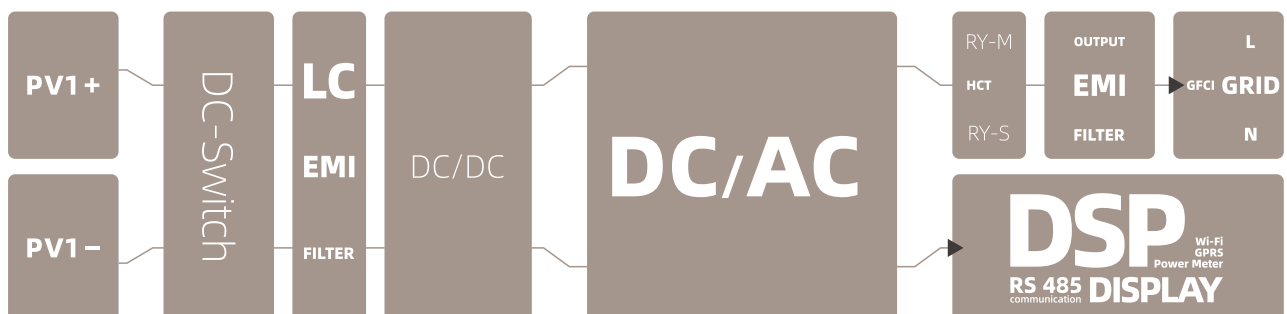
Easy to  
Install and Service



Light  
and Compact

Features

Block Diagram



MODEL	HPK-1000	HPK-1500	HPK-2000	HPK-2500	HPK-3000
<b>INPUT / DC</b>					
Max. PV Power / W <sub>p</sub>	1650	2475	3300	3750	4500
Max. Input Voltage / V	500				
MPP Voltage Range / V	50 - 450				
Start Up Voltage / V	40				
Nominal DC-Input Voltage / V	360				
Max. Input Current / A	12.5				
Max. DC Short Circuit Current / A	15.6				
No. of Independent MPPT Inputs	1				
No. of PV Strings per MPPT	1				
<b>OUTPUT / AC</b>					
Rated Power / W	1000	1500	2000	2500	3000
Max. Apparent AC Power / VA	1100	1650	2200	2750	3300
Rated Grid Voltage / V <sub>ac</sub>	220/230/240				
Rated Power Frequency / Hz	50/60				
Max. Output Current / A	5	7.5	10	12	13.8
Power Factor	0.8ind to 0.8cap				
THDi at Rated Power	<3%				
<b>EFFICIENCY</b>					
Max. Efficiency	97.2%	97.3%	97.3%	97.6%	97.6%
Euro Efficiency	96.4%	96.6%	96.6%	97.0%	97.0%
<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	298*220*111			298*220*116	
Weight / kg	4.5			4.8	
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				