

W-HPK | 1-3K

Single-Phase Grid-Tied with 1 MPPT



Features



10 Years
Warranty



Aluminum Alloy
Die Casting



Max. DC Overload
50%



Peak Efficiency
97.6%



Easy to
Install and Service



Light
and Compact

Block Diagram



MODEL	W-HPK-1K	W-HPK-1.5K	W-HPK-2K	W-HPK-2.5K	W-HPK-3K
INPUT / DC					
Max. PV Power / Wp	1650	2475	3300	3750	4500
Max. Input Voltage / V	500				
MPP Voltage Range / V	50~450				
Min. Input Voltage / V	42				
Start Up Voltage / V	70				
Nominal DC-Input Voltage / V	360				
Max. Input Current / A	13				
Max. DC Short Circuit Current / A	15.6				
No. of Independent MPPT Inputs	1				
No. of PV Strings per MPPT	1				
OUTPUT / AC					
Rated Power / W	1000	1500	2000	2500	3000
Max. Apparent AC Power / VA	1100	1650	2200	2750	3300
Rated Grid Voltage / Vac	220/230/240				
Rated Power Frequency / Hz	50/60				
Max. Output Current / A	5	7,5	10	12	13,8
Cosφ	0.8ind to 0.8cap				
THDi @ Rated Power	<3%				
EFFICIENCY					
Max. Efficiency	97.2%	97.3%	97.3%	97.6%	97.6%
Med. Efficiency	96.4%	96.6%	96.6%	97.0%	97.0%
PROTECTION FUNCTION					
Anti-Islanding Protection	Integrated				
Input Reverse Polarity Protection	Integrated				
Insulation Resistance Detection	Integrated				
Residual Current Monitoring	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	298*220*111	298*220*111	298*220*111	298*220*116	298*220*116
Weight / kg	4.5	4.5	4.5	4.8	4.8
Noise Emission (Typical) / dB(A)	<20				
User Interface	LCD & LED or LED				
DC Connection Type	MC4				
AC Connection Type	Plug-in Connector Included				
Communication	Wi-Fi Stick Included				
Cooling Method	Fanless				
Operating Ambient Temperature / °C	-25 - +60				
Allowable Relative Humidity Range	0% to 100%				
Max. Operating Altitude / m	3000 (>3000 Derating)				
Degree of Protection (IEC 60529)	IP65				
Climatic Category (IEC 60721-3-4)	4K4H				
Isolation Method	Transformerless				
Stand-by Consumption / W	<1				