

W1 SINGLE PHASE INVERTER

1 kW TO 2 kW

WAAREE[®]
One with the Sun



Power Factor Adjustable



Suitable For 3-Panel System



Less than 25dB

Wide MPPT Range



Export Control

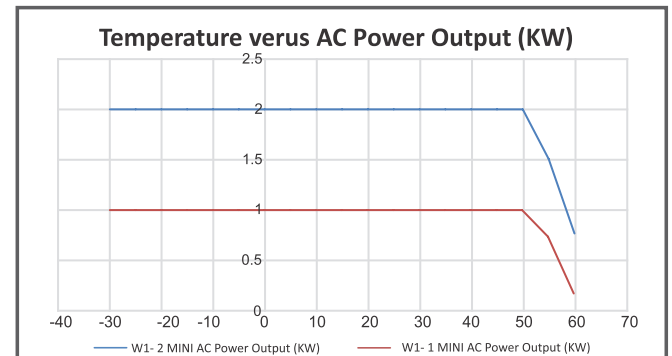
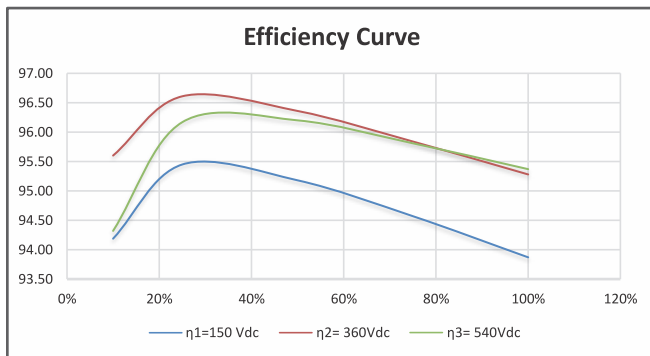


Remote Upgrade



Model : W1-1 kW To 2 kW

Temperature versus AC Power Output (KW) for W1- 1 kW To 2 kW



Integrated WiFi Solution
multiple user access and mobile Apps



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Technical Data	W1-1-D	W1-2-D
PV String Input Data		
Max. DC Input Power (W)	1300	2600
Max. DC Input Voltage (V)	500	500
MPPT Range (V)	80~450	80~450
Start-up Voltage (V)	80	80
MPPT Range for Full Load (V)	120~450	230-450
Nominal DC Input Voltage (V)	360	360
Max. Input Current (A)	10	10
Max. Short Current (A)	12.5	12.5
No. of MPP Trackers	1	1
No. of Input Strings per Tracker	1	1
AC Output Data		
Nominal Output Power (W)	1000* ₁	2000* ₁
Max. Output Apparent Power (VA)	1000	2000
Nominal Output Voltage (V)	220/230	220/230
Nominal Output Frequency (Hz)	50/60	50/60
Max. Output Current (A)	5	10
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Output THDi (@Nominal Output)	<3%	<3%
Efficiency		
Max. Efficiency	96.5%	97.0%
Euro Efficiency	96.0%	96.0%
Protection		
Anti-islanding Protection	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated
Output Short Protection	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated
General Data		
Operating Temperature Range (°C)	-25~60	-25~60
Relative Humidity	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000
Cooling	Natural Convection	Natural Convection
Noise (dB)	<25	<25
User Interface	LCD & LED	LCD & LED
Communication	RS485 or WiFi	RS485 or WiFi
Weight (kg)	7.5	7.5
Size (Width*Height*Depth mm)	344*274.5*128	344*274.5*128
Protection Degree	IP65	IP65
Night Self Consumption (W)	<1	<1
Topology	Transformerless	Transformerless
Certifications & Standards		
Grid Regulation	VDE0126-1-1, AS4777.2, EN50438(PL), G83, ERDF-NOI-RES_13E, IEC61727, IEC62116, CEI 0-21, RD 1699:2011, UNE 206006 IN: 2011, UNE 206007-1 IN: 2013	
Safety Regulation	IEC62109-1&2	
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-4-16, EN 61000-4-18, EN 61000-4-29	

**Refer To Waaree's Warranty Document For Terms & Conditions
 *The Specifications Are For The References Purpose Only.
 Waaree Reserves The Right To Change The Specifications Without Prior Notice.

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