

# W1 SINGLE PHASE INVERTER

## 1 kW TO 2 kW

**WAAREE**<sup>®</sup>  
One with the Sun

 Power Factor Adjustable

 Suitable For 3-Panel System

 Less than 25dB

Wide MPPT Range 

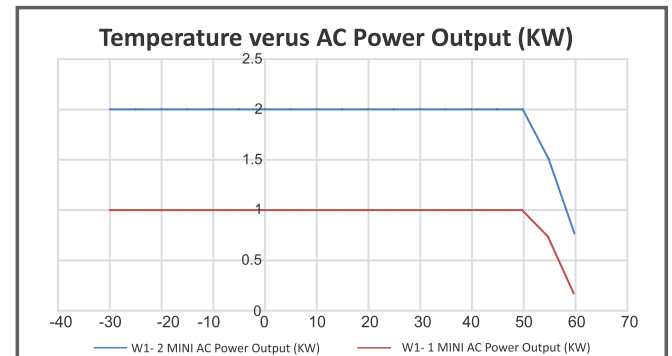
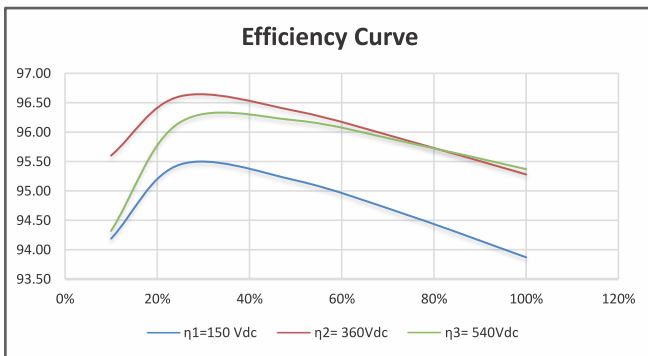
Export Control 

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
<b>PV String Input Data</b>		
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
<b>AC Output Data</b>		
Nominal Output Power (W)	1000* <sub>1</sub>	2000* <sub>1</sub>
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%
<b>Efficiency</b>		
Max. Efficiency	96.5%	97.0%
Euro Efficiency	96.0%	96.0%
<b>Protection</b>		
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
<b>General Data</b>		
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
<b>Certifications &amp; Standards</b>		
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	

### Share Your Query :

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\*\*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.

[www.waaree.com](http://www.waaree.com)