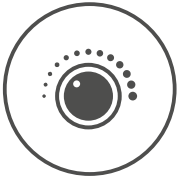


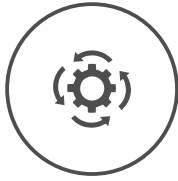
W1 SINGLE PHASE INVERTER

4 KW TO 6 KW

WAAREE®



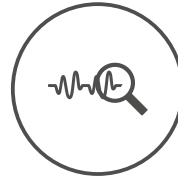
Wide MPPT Range



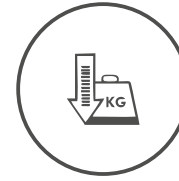
Maximum Efficiency
97%



Multiple-monitoring
Method (Wi-Fi/GPRS,
RS485, WLAN)



Integrated SPDs
AC & DC side



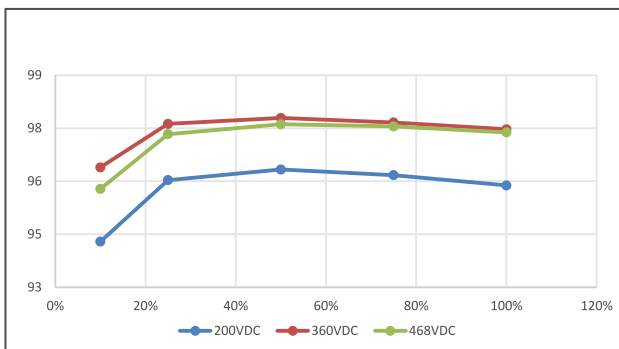
30% lighter than
similar products,
easy to install



IP 65 dust-proof
and water-proof



EFFICIENCY CURVE



WiFi/GPRS solution for remote monitoring
Multiple user access

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W1 SINGLE PHASE INVERTER

4 KW TO 6 KW



Models	W1-4K-G3	W1-4.5K-G3	W1-5K-G3	W1-5.5K-G3	W1-6K-G3
PV String Input Data					
Max. DC Input Power	4400W	5000W	5500W	6600W	6600W
Max. DC Input Voltage	600V				
Start up Voltage	120V				
Nominal DC Input Voltage	360V				
MPPT Range	90V-580V				
MPPT Range for Full Load	200V-520V	230V-520V	250V-520V	300V-520V	300V-520V
Max Input Current - Per String	11A				
No. of MPPT/Strings Per MPPT	2				
Max DC Power for Single MPPT	2600W(200V-520V)	3000W(250V-520V)	3000W(250V-520V)	3500W(300V-520V)	3500W(300V-520V)
No of DC Inputs	1/1				
AC Output Data					
Nominal Output Power	4000W	4600W	5000W	5500VA	6000W
Maximum Output Apparent Power	4000VA	4600VA	5000VA	5500VA	6000VA
Max Output Current	18.2A	21A	22.8A	25A	27.3A
AC Nominal Voltage	L/N/PE, 220, 230, 240				
Grid Voltage Range	180-276Vac				
Nominal Frequency	50Hz/60Hz				
Grid Frequency Range	47-55Hz/54Hz-66Hz				
Output THDI (@Nominal Output)	<3%				
Adjustable Power Factor	~1 (Adjustable 0.8 leading - 0.8 lagging)				
Efficiency					
Max Efficiency	97.40%				
Euro Efficiency	96.50%				
MPPT efficiency	>99.9%				
Protection devices					
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	Integrated				
General Data					
Ambient Temperature Range	-25 to 60° C				
Relative Humidity	1				
Noise Emission (Typical)	< 25 dB(A)				
Cooling Concept	Natural convection				
Altitude	4000m				
Weight	11.5kgs				
Display	LCD display				
Environmental Protection Rating	IP65				
Standard Communication Mode	RS 485, Wi-Fi/GPRS				
Self-consumption at night	<1W				
Certification & Standard					
Grid Regulations	VDE-AR-N 4105, VDE0126-1-1, EN50438(PL), EN50438(SW), AS4777.2, G83, IEC61727, IEC62116, CEI 0-21, RD 1699:2011, UNE 206006 IN: 2011, UNE 206007-1 IN: 2013				
Safety Regulations	IEC62109-1&2				
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-6-16, EN 61000-6-18, EN 61000-6-29				