

# W3 THREE PHASE INVERTER

4 kW TO 20 kW

# WAAREE®

One with the Sun



Built-in Wi-Fi & DC Switch



IP 65 dust-proof and water-proof



45°C full-load output



Multiple monitoring and communication

Super large 5-inch LCD



Fanless low-noise design



Very compact design, lighter than similar products

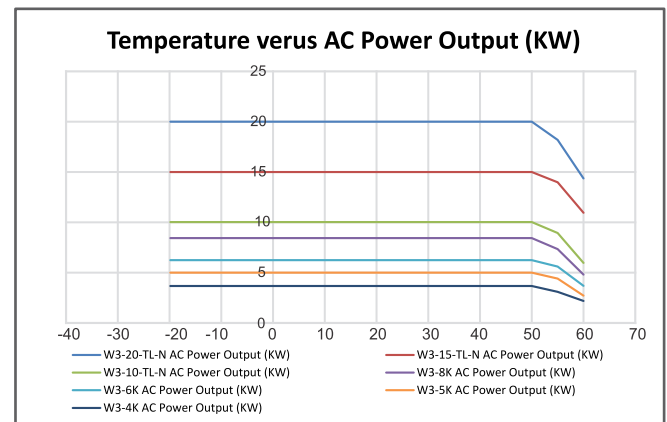
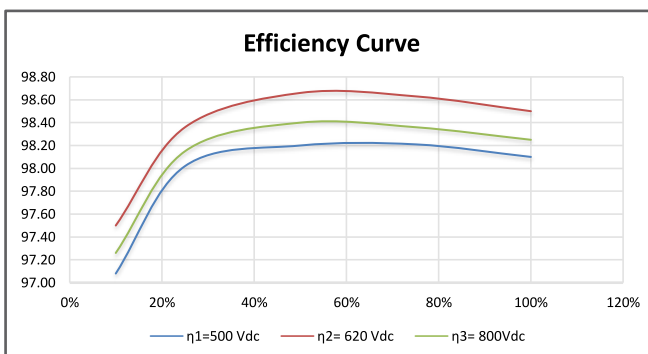


Easy to install



## Model : W3- 4 kW To 20 kW

## Use Efficiency & Temperature curve of W3- 4 kW To 20 kW



## Integrated WiFi Solution

multiple user access and mobile Apps



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Technical Data	W3-4 K	W3-5 K	W3-6 K	W3-8 K	W3-10 K	W3-15 K	W3-20 K
<b>PV String Input Data</b>							
Max. DC Input Power (W)	5200	6500	7800	9600	12000	19500	26000
Max. DC Input Voltage (V)				1000			
MPPT Range (V)	200~800			200~850		200~950	
Start-up Voltage (V)				180			
MPPT Range for Full Load (V)	195~800	240~800	285~800	380~850	480~850	480~850	460~860
Nominal DC Input Voltage (V)				620		600	
Max. Input Current (A)						22/22	
Max. Short Current (A)				13.8		27.6/13.8	
No. of MPP Trackers				2			
No. of Input Strings per Tracker				1/1		2/1	
<b>AC Output Data</b>							
Nominal Output Power (W)	4000	5000	6000	8000	10000	15000	20000
Max. Output Apparent Power (VA)	4000	5000	6000	8000	10000	16500	22000
Nominal Output Voltage (V)				400, 3L/N/PE			
Nominal Output Frequency (Hz)				50/60			
Max. Output Current (A)	8.5	8.5	10	12.1	15.2	24	31.9
Output Power Factor				~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Output THDi (@Nominal Output)				<2%		<3%	
<b>Efficiency</b>							
Max. Efficiency	98.00%			98.30%		98.60%	
Euro Efficiency	97.50%			98.00%		98.10%	
<b>Protection</b>							
PV String Current Monitoring				Integrated			
Anti-islanding Protection				Integrated			
Input Reverse Polarity Protection				Integrated			
Insulation Resistor Detection				Integrated			
Residual Current Monitoring Unit				Integrated			
DC SPD Protection				Type II			
AC SPD Protection				Type II			
Output Over Current Protection				Integrated			
Output Short Protection				Integrated			
Output Over Voltage Protection				Integrated			
<b>General Data</b>							
Operating Temperature Range (°C)				-25~60			
Relative Humidity				0~100%			
Operating Altitude (m)				≤4000			
Cooling				Natural Convection		Fan Cooling	
Noise (dB)				<30		<45	
User Interface				LCD & LED			
Communication				RS485 / WiFi			
Weight (kg)				24		26	
Size (Width*Height*Depth mm)				516*455*192		516*455*220	
Protection Degree				IP65			
Night Self Consumption (W)				<1			
Topology				Transformerless			
<b>Certifications &amp; Standards</b>							
Grid Regulation				IEC 61727			
Safety Regulation				IEC62109-1&2			
EMC				EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4			

\*\*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)