

# W3 THREE PHASE INVERTER

## 25 KW to 36 KW

# WAAREE®



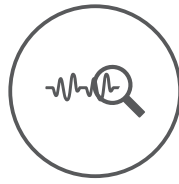
Built-in Wi-Fi & DC Switch



Super large 12.7cm LCD



Multiple monitoring and communication



45° C full-load output



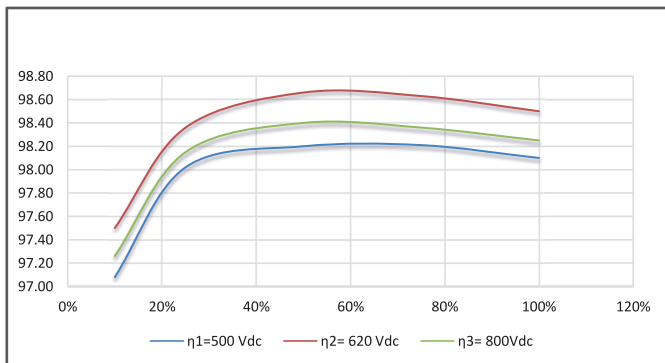
30% lighter than similar products, easy to install



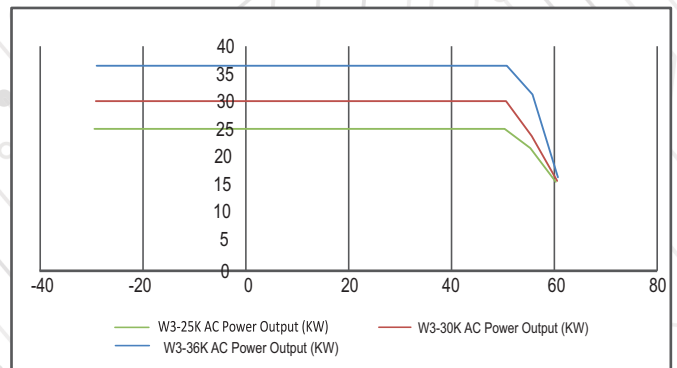
IP 65 dust-proof and water-proof



### EFFICIENCY CURVE



### USE EFFICIENCY & TEMPERATURE CURVE OF W3-25 KW TO 36 KW



**WiFi/GPRS solution for remote monitoring**  
Multiple user access



\*WAAREE PV POWER LLP shall not be held responsible or liable for any unauthorized or undue alteration, modification, improvisation, change in data, contents, representation on collateral/brochure/datasheet of WAAREE PV POWER LLP .  
\* Images of product on collaterals/brochures/datasheet of WAAREE PV POWER LLP are for representative purpose only and actual product may differ from the images depicted.

# W3 THREE PHASE INVERTER

## 25 KW to 36 KW

# WAAREE®

Technical Data	W3 - 25 K	W3 - 30 K	W3-36 K
<b>PV String Input Data</b>			
Max. DC Input Power (W)	32500	39000	42900
Max. DC Input Voltage (V)		1100	
MPPT Range (V)		200~950	
Start-up Voltage (V)		180	
MPPT Range for Full Load (V)		460~860	
Nominal DC Input Voltage (V)		600	
Max. Input Current (A)		25/25/25	
Max. Short Current (A)		31.3/31.3/31.3	
No. of MPP Trackers	3	3	3
No. of Input Strings per Tracker	2	2	2
<b>AC Output Data</b>			
Nominal Output Power (W)	25000	30000	36000
Max. Output Apparent Power (VA)	27500	33000	36000
Max. Output Power (W)	27500	33000	36000
Nominal Output Voltage (V)		400, 3L/N/PE or 3L/PE	
Nominal Output Frequency (Hz)		50/60	
Max. Output Current (A)	40	48	53.3
Output Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Output THDi (@Nominal Output)		<3%	
<b>Efficiency</b>			
Max. Efficiency	98.70%	98.80%	98.80%
Euro Efficiency	98.50%	98.50%	98.50%
<b>Protection</b>			
Anti-islanding Protection		Integrated	
Input Reverse Polarity Protection		Integrated	
Array String Fault Monitoring		Integrated	
Insulation Resistor Detection		Integrated	
PV Module Anti-PID		Optional	
DC SPD		Integrated (Type II)	
AC SPD		Integrated (Type II)	
Residual Current Monitoring Unit		Integrated	
Output Over Current Protection		Integrated	
Output Short Protection		Integrated	
Output Over Voltage Protection		Integrated	
<b>General Data</b>			
Operating Temperature Range (°C)		-30~60	
Relative Humidity		0~100%	
Operating Altitude (m)		≤4000	
Cooling		Smart Cooling	
Noise (dB)		45	
User Interface		LCD & LED / LED + WiFi APP	
Communication		RS485 / WiFi / GPRS / PLC	
Weight (kg)		40	
Size (Width*Height*Depth mm)		480*590*230	
Protection Degree		IP65	
Night Self Consumption (W)		<1	
Topology		Transformerless	
<b>Certifications &amp; Standards</b>			
Grid Regulation		AS4777.2/VDE0126-1-1/VDE-AR-N 4105	
Safety Regulation		IEC62109-1&2	
EMC		EN 61000-6-1/EN 61000-6-2/EN 61000-6-3,/EN 61000-6-4	