

W3 THREE PHASE INVERTER

25 KW to 36 KW

WAAREE®



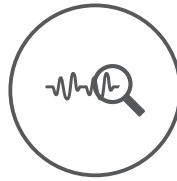
Built-in Wi-Fi &
DC Switch



Super large
12.7cm LCD



Multiple monitoring and
communication



45° C full-load
output



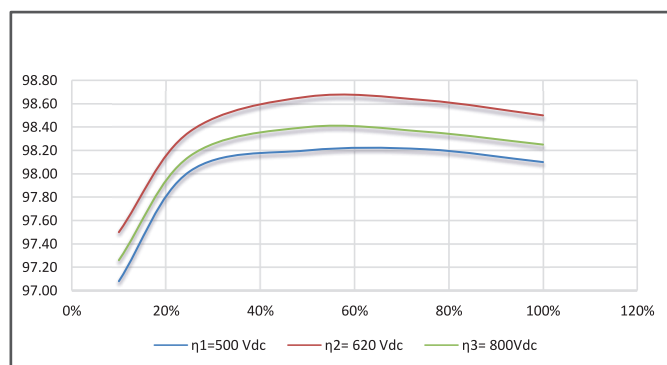
30% lighter than
similar products,
easy to install



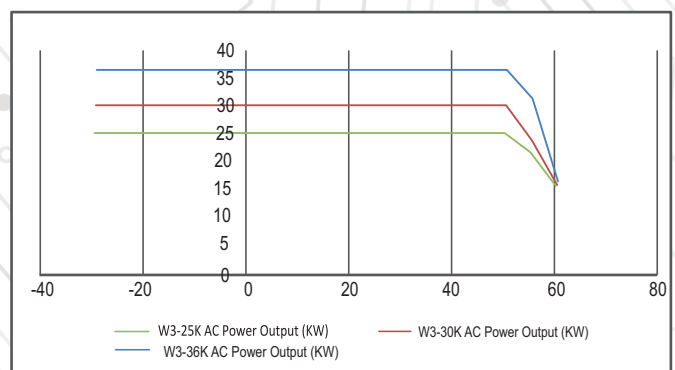
IP 65 dust-proof
and water-proof



EFFICIENCY CURVE



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



WiFi/GPRS solution for remote monitoring

Multiple user access



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Technical Data	W3 - 25 K	W3 - 30 K	W3-36 K
PV String Input Data			
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
AC Output Data			
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%		
Efficiency			
Max. Efficiency	98.70%	98.80%	98.80%
Euro Efficiency	98.50%	98.50%	98.50%
Protection			
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		
General Data			
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		
Certifications & Standards			
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		