

W3 THREE PHASE INVERTER

25 KW & 36 KW

WAAREE®



Built-in Wi-Fi &
DC Switch



Super large
5-inch LCD



Multiple monitoring and
communication



45° C full-load
output



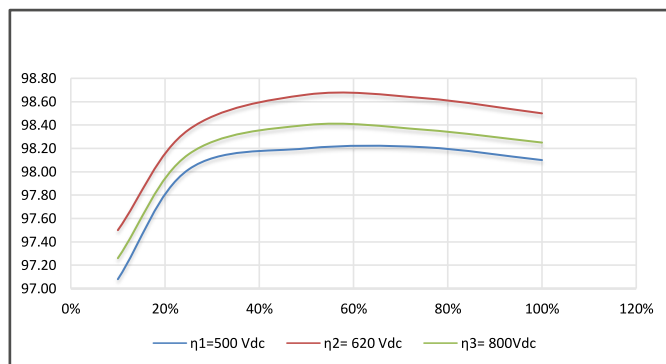
30% lighter than
similar products,
easy to install



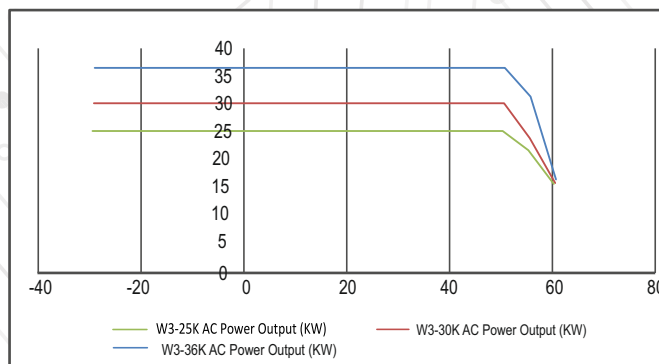
IP 65 dust-proof
and water-proof



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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W3 THREE PHASE INVERTER

25 KW & 36 KW



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			
No. of Input Strings per Tracker				
AC Output Data				
Nominal Output Power (W)	25000		30000	36000
Max. Output Apparent Power (VA)	27500			
Max. Output Power (W)	27500			
Nominal Output Voltage (V)	380/400, 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	Optional (Type II)			
AC SPD	Optional (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			