

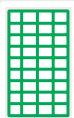
ADITYA SERIES POLY

WS-290 to WS- 325 (72 Cells - 6")

FEATURES



-  Superior Module Efficiency as per International Benchmarks
-  Positive Power Tolerance 0 /+ 5W
-  PID Resistant with long term reliability
-  Glass with Anti Reflective Coating
Improves light transmission
-  Salt mist, Ammonia and Hail Resistant
-  Sustain Heavy Wind & Snow loads
(2400 Pa & 7500 Pa)
-  IP 67 rated MC4 compatible connectors
-  Excellent Performance in low light
-  Sand and Dust Storm Resistant



500 MW

Module
Manufacturing Capacity

25

Years
Output
Warranty

10 years Limited Product Warranty **

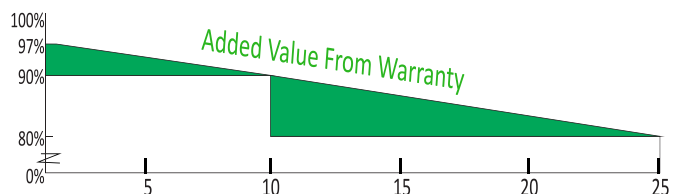
25 years Limited Power Output Warranty:**

-Minimum 90% at the end of 10 years

-Minimum 80% at the end of 25 years



Over 20 in house tests
(DH: Damp heat test
TC: Thermal cycling test
HF: Humidity freeze test)



INTERNATIONAL & NATIONAL CERTIFICATIONS



ISO 9001:2008 | ISO 14001:2004 | OHSAS 18001:2007
IEC 61215 | IEC 61730-1&2 | IEC 60068-2-68 | IEC 61701 | IEC 62716

www.waaree.com

Electrical Characteristics*

Model	WS-290 / 24V	WS-295 / 24V	WS-300 / 24V	WS-305 / 24V	WS-310 / 24V	WS-315 / 24V	WS-320 / 24V	WS-325 / 24V
Nominal Maximum Power, P _m (W)*	290	295	300	305	310	315	320	325
Power tolerance	0 / + 5 W							
Open Circuit Voltage, V _{oc} (V)*	44.80	44.90	45.00	45.10	45.20	45.25	45.30	45.35
Short Circuit Current, I _{sc} (A)*	8.63	8.77	8.89	9.02	9.14	9.29	9.42	9.55
Voltage at Maximum Power, V _{m,p} (V)*	36.30	36.40	36.50	36.60	36.70	36.75	36.80	36.85
Current at Maximum Power, I _{m,p} (A)*	7.99	8.11	8.22	8.34	8.45	8.58	8.70	8.82
Maximum System Voltage (V)	1000							
Module Efficiency (%)*	14.94	15.20	15.46	15.72	15.98	16.23	16.49	16.74
Maximum Series Fuse Rating (A)	15	15	15	15	15	15	15	15
Limiting Reverse Current (A)	15	15	15	15	15	15	15	15

*Under Standard Test Conditions (STC) of 1000 W/m² irradiance, AM 1.5 spectrum and 25°C cell temperature.

Mechanical Characteristics

Length x Width x Thickness (L x W x T) - mm	1960 x 990 x 42
Mounting Holes Pitch (Y) - mm	1060
Mounting Holes Pitch (X) - mm	942
Weight (kg)	22.5
Solar Cells per Module (Units) / Arrangement	72 / 12 x 6
Solar Cell Type	Poly crystalline Silicon
Front Cover (Material / Thickness)	Tempered & Low Iron Glass, 3.2 mm
Encapsulate	Ethylene Vinyl Acetate
Frame Material	Anodized Aluminum Alloy
Junction Box (Protection degree / Material)	IP 65 or IP 67 rated / Weatherproof PPO enclosure with 3 bypass diodes
Connector	MC4 compatible or MC4, IP67 rated
Cable	4 sq. mm cross section, 1200 mm long
Fire safety class	C
Safety application class	A
Safety class	II

** "/ xxV" in model indicates the voltage rating of applicable battery

Thermal Characteristics

Temperature coefficient of Current (I _{sc}), α (%/°C)	0.0681
Temperature coefficient of Voltage (V _{oc}), β (%/°C)	-0.2941
Temperature coefficient of Power (P _m), γ (%/°C)	-0.3845
NOCT (°C)	46 ± 2
Operating temperature range (°C)	-40 to 85

Packaging Configuration

No. of modules per 40' HC container	636 pcs
No. of modules per 20' container	288 pcs

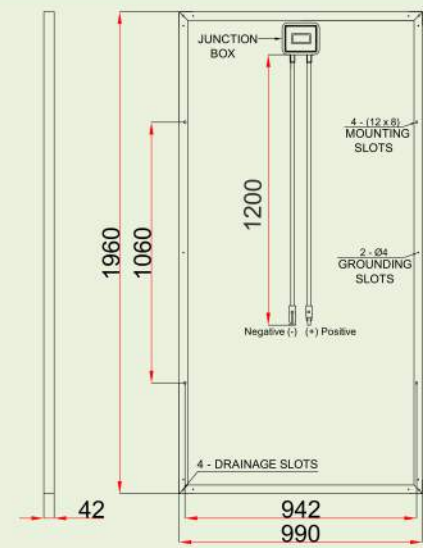
About WAAREE

WAAREE is one of India's leading multi-technology companies, headquartered in Mumbai. Founded in 1989, the company has transformed itself from a single business to a multi-technology organization, diversifying into exciting areas of Solar Energy, Industrials Valves, Petroleum Equipment's and Process control instrumentation. WAAREE has a presence in over 68 countries. It has more than 105 global channel partners, 26 sales offices in India and a huge list of satisfied customers over the years. Waaree is committed to supply best quality products & technology to its customers. WAAREE's products are manufactured at its state-of-the-art manufacturing facilities and is committed to excel in providing the society with world class quality products.

Contact: WAAREE ENERGIES LTD.

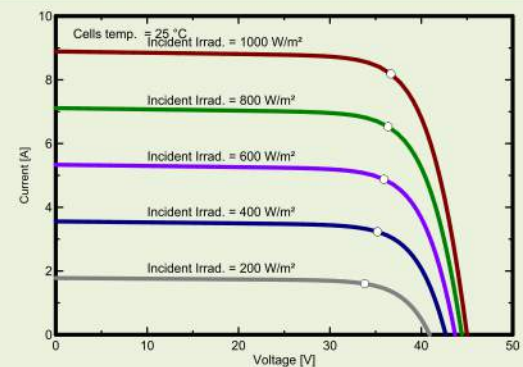
Sold by:
Go Solar Solutions | +918048605527 | sales@gosolar.co.in | www.gosolar.co.in

Design Specifications



SIDE VIEW REAR VIEW
All Dimensions are in mm

I-V Curve Variation with Irradiance



I-V Curve Variation with Temperature

