



## **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** 





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



### **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



# **ADITYA SERIES MULTI**

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



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 <sub>m</sub> (W)*	290	295	300	305	310	315	320	325
Power tolerance	0 / + 5 W							
Open Circuit Voltage, V <sub>oc</sub> (V)*	44.80	44.90	45.00	45.10	45.20	45.25	45.30	45.35
Short Circuit Current, I <sub>sc</sub> (A)*	8.63	8.77	8.89	9.02	9.14	9.29	9.42	9.55
Voltage at Maximum Power, V <sub>mp</sub> (V)*	36.30	36.40	36.50	36.60	36.70	36.75	36.80	36.85
Current at Maximum Power, I <sub>mp</sub> (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

Mechanical Charact	eristics			
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	С			
Safety application class	A			
Safety class	II			
** "/ xxV" in model indicates the voltage rating of a	oplicable battery			
Thermal Characte	ristics			
Temperature coefficient of Current (I <sub>sc</sub> ), α (%/°C)	0.0681			
Temperature coefficient of Voltage (V <sub>oc</sub> ), ß (%/°C)	-0.2941			
Temperature coefficient of Power (P <sub>m</sub> ), γ (%/°C)	-0.3845			
NOCT(°C)	46 ± 2			
Operating temperature range (°C)	-40 to 85			
Packaging Configu	ration			
No. of modules per 40' HC container  No. of modules per 20' container	636 pcs 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.

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<sup>\*\*</sup> Refer to Waaree's Warranty document for Terms and Conditions







