

MAXIMUM EFFICIENCY %

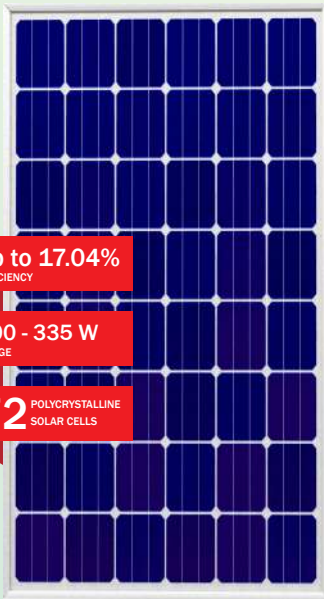
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CELLS







72 Cells
Polycrystalline

MODULE TECHNOLOGY

FULL CELL
WITH EXCELLENT QUALITY



URJA Prime





-  **Positive Power Tolerance**
-  **HIGHER OUTPUT OF MODULE POWER**
by reducing cell to module power loss
-  **Designed for very HIGH AREA EFFICIENCY** ideally suited for roof-top and ground-mounted applications
-  **EXTREMELY RELIABLE PRODUCT** suiting harsh environment conditions with high Mechanical Strength.
-  **MAXIMUM SYSTEM VOLTAGE 1500VDC**
-  **DCR CONTENT** module is available

QUALITY AND SAFETY

- 25 years of linear power output warranty **
- Rigorous quality control meeting the highest international standards
- Certified for salt mist corrosion resistance
- Excellent anti-PID performance
- 100% EL tested to minimise micro crack

APPLICATIONS

- On-grid large scale utility systems
- On-grid residential, commercial and industrial roof top installations
- Off-grid residential systems

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THIS DATASHEET IS APPLICABLE FOR: URJA Prime ASU.72.AAA (AAA=300-335)

Electrical Data^{1,2} All Data refers to STC

	300	305	310	315	320	325	330	335
Peak Power Pmax (Wp)	300	305	310	315	320	325	330	335
Maximum Voltage Vmpp (V)	36.36	36.79	37.26	37.48	37.78	38.10	38.42	39.60
Maximum Current Imp (A)	8.25	8.29	8.32	8.41	8.47	8.53	8.59	8.60
Open Circuit Voltage Voc (V)	44.50	44.71	44.93	45.07	45.29	45.50	45.79	46.51
Short Circuit Current Isc (A)	8.25	8.76	8.82	8.80	8.87	8.94	9.01	9.05
Module Efficiency η(%)	15.34	15.60	15.85	16.11	16.37	16.62	16.88	16.98

1) STC:1000 W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3. | 2) Power measurement uncertainty is within +/- 3%

Temperature Coefficients (Tc) permissible operating conditions

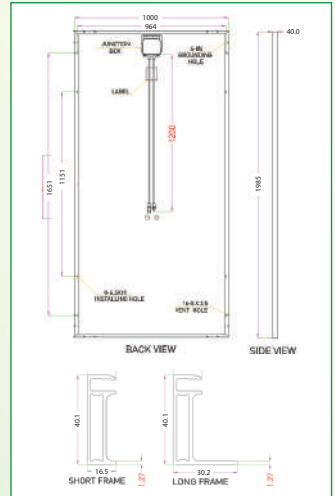
Tc of Open Circuit Voltage (β)	-0.29%/°C
Tc of Short Circuit Current (α)	0.057%/°C
Tc of Power (γ)	-0.38%/°C
Maximum System Voltage	1500 V
NOCT	44°C ± 2°C
Temperature Range	-40°C to + 85°C

Mechanical Data

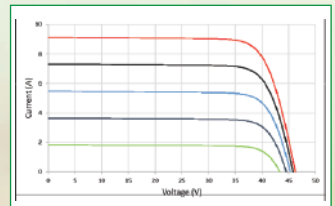
Length × Width × Height	1985 X 1000 X 40 MM
Weight	21.5 kg (47.39 lbs)
Junction Box	IP68, 3 bypass diodes
Cable & Connectors	1200 mm (47.24 inches) length cables, MC4 Compatible/MC4 Connectors
Application Class	Class A (Safety class II)
Glass	3.2 mm high transmission low iron tempered glass, AR coated
Cells	72 Polycrystalline, 5BB solar cells
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Sheet	Composite film
Frame	Anodized aluminium frame with twin wall profile
Mechanical Load Test	5400 Pa (Snow load), 2400 Pa (Wind load)
Maximum Series Fuse Rating	15 A

Product Warranty**	10 years
Certifications	IS 14286:2010 / IEC 61215:2005, IEC 61730 (Part 1) :2004, IEC 61730 (Part 2) : 2004, IEC 61701:2020, IEC TS: 62804-1

Dimensions in mm



Typical I-V Curves⁴



CAUTION: READ SAFETY AND INSTALLATION MANUAL BEFORE USING THE PRODUCT.

Specifications included in this datasheet are subject to change without notice. Electrical data without guarantee. Please confirm your exact requirement with the company representative while placing your order.

ASU and its accompanying logos are trademark of AG Solar Urja Udyog. ** Refer to AG Solar Urja Udyog warranty document for terms and conditions.