ELDORA

High Efficiency Solar PV Modules

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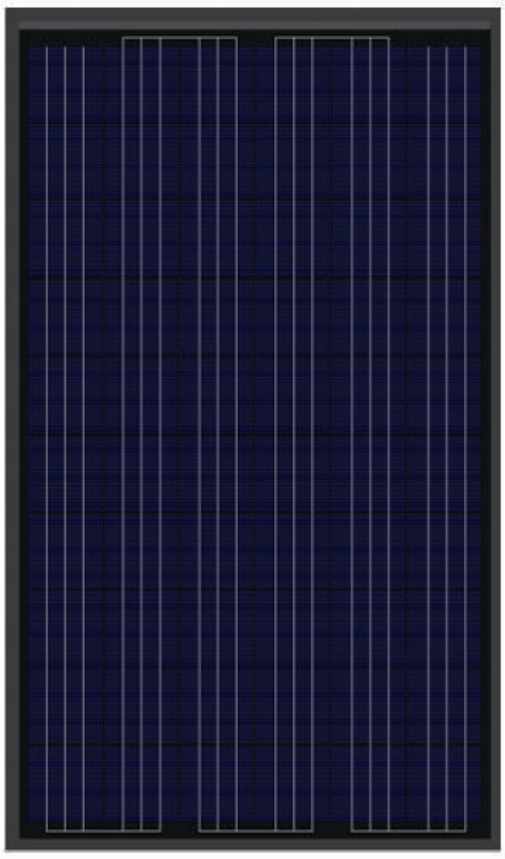
vision in action

ELDORA VSPBB.60.AAA.03 | POLYCRYSTALLINE SOLAR PV MODULES | 60 CELLS | 240-260 WATT

THE DATASHEET IS APPLICABLE FOR: ELDORA VSPBB.60.AAA.03 (WHERE AAA=240-260)

ELDORA ULTIMA

ALL BLACK SERIES



Designed for
HIGH AREA EFFICIENCY
suited for roof-top and
ground mounted applications

Up to
+ 5 WP POSITIVE
POWER OUTPUT TOLERANCE
GUARANTEED ensuring high ROI

Extremely
RELIABLE PRODUCT
suiting all environment conditions

Engineered to provide
EXCELLENT LOW
LIGHT RESPONSE

QUALITY AND SAFETY

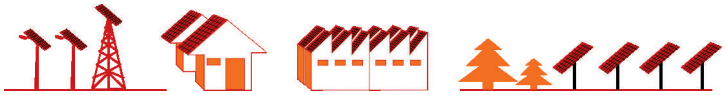
- 25 years of limited power output warranty**
- Rigorous quality control meeting the highest international standards
- 100% EL tested to ensure micro crack free modules
- Certified for salt mist corrosion resistance
- Certified for ammonia resistance
- Compatible with K2, HILTI & Schletter Structures for short & long sides clamping
- Approved by OST Energy

CERTIFICATES

- Factory: ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007, SA 8000*
- Products: IEC 61215 Ed2, IEC 61730, IEC 61701, IEC 62716, CE, MCS, PV Cycle, JET*, CEC (Australia)*

APPLICATIONS

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



TECHNICAL DATA

ELDORA ULTIMA ALL BLACK SERIES (60 CELLS)

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THE DATASHEET IS APPLICABLE FOR: ELDORA VSPBB.60.AAA.03 (WHERE AAA=240-260)

Electrical Parameters[1] All data refers to STC (AM 1.5, 1000 W/m², 25°C)

Peak Power (0-4.99Wp) P_{max}(Wp)	240	245	250	255	260
Maximum Voltage V_{mpp}(V)	30.18	30.38	30.58	30.78	30.98
Maximum Current I_{mpp}(A)	7.97	8.08	8.18	8.29	8.39
Open Circuit Voltage V_{oc}(V)	37.15	37.30	37.45	37.60	37.75
Short Circuit Current I_{sc}(A)	8.50	8.60	8.70	8.82	8.95
Module Efficiency (%)	14.75	15.06	15.37	15.67	15.98

1) Tolerance ± 3% except P_{max}

Electrical Parameters at NOCT[2]

Power(W)	175.28	178.93	182.55	186.24	189.74
V@P_{max}(V)	27.56	27.68	27.79	27.89	27.99
I@P_{max}(A)	6.36	6.47	6.57	6.68	6.78
V_{oc}(V)	34.78	34.90	35.00	35.07	35.14
I_{sc}(A)	6.80	6.91	7.01	7.12	7.22

2) NOCT irradiance 800 W/m2 ambient temperature 20°C, wind speed 1 m/sec, tolerance ± 3% for electrical parameters at NOCT

Temperature Coefficients (Tc) and permissible operating conditions

Tc of Open Circuit Voltage (β)	-0.32 % /°C
Tc of Short Circuit Current (α)	0.065 % /°C
Tc of Power (γ)	-0.415 % /°C
Maximum System Voltage	1000 V
NOCT	46°C±2°C
Temperature Range	-40°C to + 85°C

NOCT irradiance 800 W/m2 ambient temperature 20°C, wind speed 1 m/sec, tolerance ± 3% for electrical parameters at NOCT

Mechanical Data

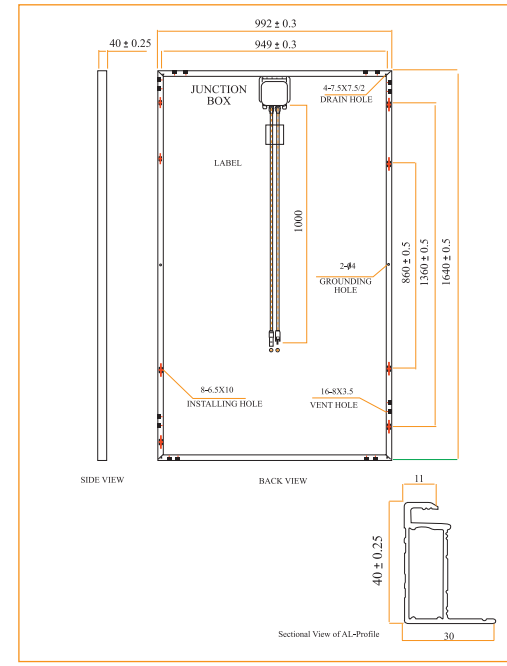
Length x Width x Height	1640mm x 992mm x 40mm
Weight	18.50kg
Junction Box	IP65, 3 Bypass diodes
Cable & Connectors	1000mm length cables,SOLARLOK PV4 connectors(MC4 Compatible)
Application Class	Class A (Safety Class II)
Superstrate	High transmission low iron tempered glass, AR coated
Cells	60 polycrystalline solar cells; 3 bus bars
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)
Back Sheet	Black composite film
Frame	Black anodized aluminium frame with twin wall profile
Mechanical Load Test as per IEC	5400Pa
Maximum Series Fuse Rating	15A

Warranty and Certifications

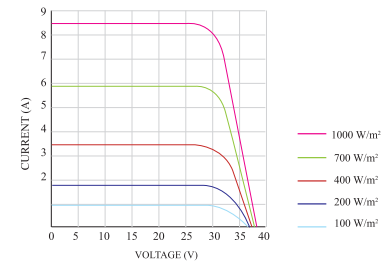
Product Warranty**	12 Years
Performance Warranty**	Guaranteed power output of 90% for 12 years and 80% for 25 years
Approvals and Certificates	IEC 61215 Ed2, IEC 61730, IEC 61701, IEC 62716, CE, MCS, PV Cycle, JET*, CEC (Australia)*

** Refer to Vikram Solar's warranty document for terms and conditions

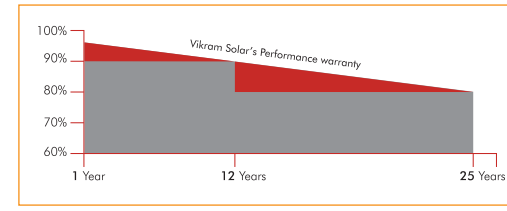
Dimensions in mm



IV Curves



Performance Warranty



Packaging Information

Container	20'GP	40'GP	40'HC
Pallets/Container	6	14	28
Pieces/Container	180	420	770

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*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 requirements with the company sales representative while placing your order.