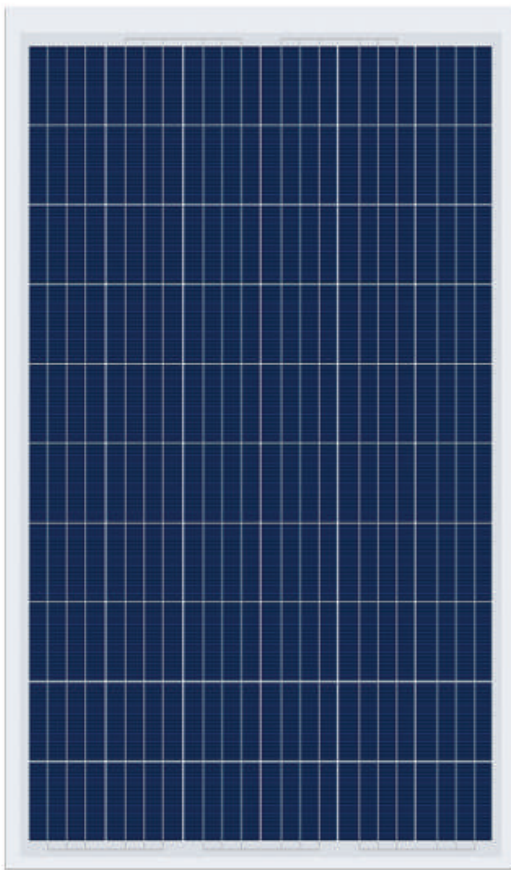




ELDORA VSP.60.AAA.03 SILVER SERIES | POLYCRYSTALLINE SOLAR PV MODULES | 60 CELLS | 240-260 WATT

ELDORA ULTIMA 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
suited 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
- ◆ Certified for PID resistance*
- ◆ 100% EL tested to ensure micro crack free modules
- ◆ Certified for salt mist corrosion resistance*
- ◆ Certified for ammonia resistance*

CERTIFICATES

- ◆ Factory: ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007, SA 8000*
- ◆ Products: IEC 61215, IEC 61730, MCS*, IEC 62804 Ed.1*, IEC 61701*, IEC 62714*, UL*,CEC*, JET*

APPLICATIONS

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



TECHNICAL DATA

ELDORA ULTIMA SILVER SERIES (60 CELLS)



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

Electrical Parameters¹

| Peak Power (0-4.99Wp) P _{max} (Wp) | 240 | 245 | 250 | 255 | 260 |
|---|-------|-------|-------|-------|-------|
| Maximum Voltage V _{mp} (V) | 30.18 | 30.38 | 30.58 | 30.78 | 30.98 |
| Maximum Current I _{mp} (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 NOCT²

| | | | | | |
|---------------------|--------|--------|--------|--------|--------|
| Power(W) | 180.23 | 183.09 | 185.90 | 189.28 | 192.84 |
| V _{mp} (V) | 27.49 | 27.60 | 27.71 | 27.82 | 27.93 |
| I _{mp} (A) | 6.55 | 6.63 | 6.70 | 6.80 | 6.90 |
| V _{oc} (V) | 34.80 | 34.94 | 35.08 | 35.22 | 35.36 |
| I _{sc} (A) | 6.87 | 6.95 | 7.04 | 7.13 | 7.24 |

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) | -0.31 % /°C |
| Tc of Short Circuit Current (α) | 0.058 % /°C |
| Tc of Power (γ) | -0.41 % /°C |
| Maximum System Voltage | 1000 V |
| NOCT | 45°C |
| Temperature Range | -40°C to + 85°C |

NOCT irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/sec

Mechanical Data

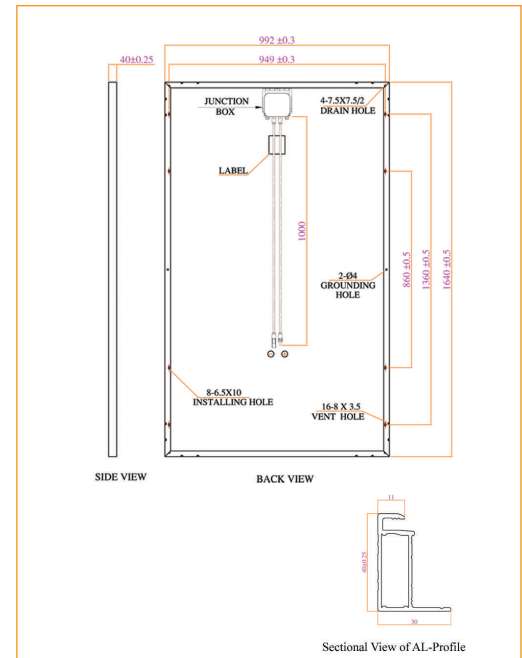
| | |
|----------------------------|--|
| Length x Width x Height | 64.5" x 38.66" x 1.42" |
| Weight | 40.79 lbs |
| Junction Box | IP65, 3 Bypass diodes |
| Cable & Connectors | 1000mm length cables, MC4 compatible |
| Application Class | Class A (Safety Class II) |
| Superstrate | High transmission low iron tempered glass, AR coated |
| Cells | 60 polycrystalline solar cells; 3 bus bars |
| Cell Encapsulation | EVA (Ethylene Vinyl Acetate) |
| Back Sheet | Composite film |
| Frame | Anodized aluminium frame with twin wall profile |
| Mechanical Load as per IEC | 5400Pa |
| Maximum Series Fuse Rating | 15A |

Warranty and Certifications

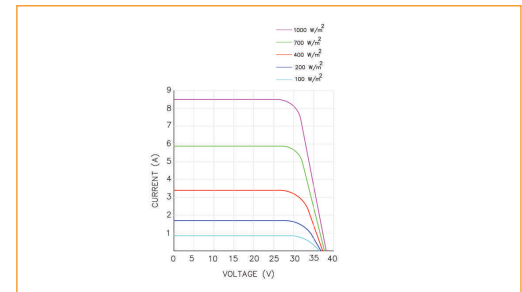
| | |
|----------------------------|--|
| Product Warranty** | 10 Years |
| Performance Warranty** | Guaranteed power output of 90% for 12 years and 80% for 25 years |
| Approvals and Certificates | IEC 61215 Ed2, IEC 61730, IEC 61701*, IEC 62716*, IEC62804 Ed.1*, UL1703*, CE*, MCS*, CEC*, PV Cycle |

* All (*) Certifications under progress . ** Refer to Vikram Solar's warranty document for terms and conditions

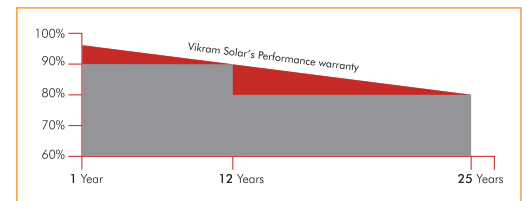
Dimensions in mm



IV Curves



Performance Warranty



Packaging Information

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



*CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT | Specifications included in this datasheet are subject to change without notice. Electrical data without guarantee.