ELDORA PRIME SERIES

- Designed for very **HIGH AREA EFFICIENCY** ideally suited for roof-top and ground-mounted applications
- Extremely **NARROW POWER** binning tolerance of +2.5 Wp to reduce current mismatch loss in single string
- **EXTREMELY RELIABLE PRODUCT** suiting harsh environment conditions withstanding 2400Pa Wind load, 5400Pa Snow load and Dynamic Wind load
- Engineered to provide **EXCELLENT LOW LIGHT RESPONSE**
- **HIGHER OUTPUT OF MODULE POWER** by reducing cell to module power loss

**QUALITY AND SAFETY**
- 27 years of limited linear power output warranty **
- Rigorous quality control meeting the highest international standards
- 100% EL tested to ensure micro crack free modules
- Certified for PID resistance
- Certified for ammonia resistance
- Certified for salt mist corrosion resistance

**APPLICATIONS**
- On-grid large scale utility systems
- On-grid rooftop residential and commercial systems
- Off-grid residential systems
**TECHNICAL DATA**

**ELDORA PRIME SERIES**

**This datasheet is applicable for:** ELDORA VSP.60.AAA.03.04 (AAA=260-285)

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**Electrical Data**

All data refers to STC (AM 1.5, 1000 W/m², 25 °C)

- **Peak Power P_{max} (Wp)**: 260.0, 262.5, 265.0, 267.5, 270.0, 272.5, 275.0, 277.5, 280.0, 282.5, 285.0
- **Maximum Voltage V_{mpp} (V)**: 30.8, 30.9, 30.9, 31.0, 31.0, 31.1, 31.2, 31.2, 31.3, 31.4, 31.5
- **Maximum Current I_{mpp} (A)**: 8.43, 8.50, 8.57, 8.62, 8.70, 8.82, 8.89, 8.94, 9.00, 9.07
- **Open Circuit Voltage V_{oc} (V)**: 37.9, 38.0, 38.1, 38.2, 38.3, 38.4, 38.5, 38.6, 38.7, 38.8, 38.9
- **Short Circuit Current I_{sc} (A)**: 8.93, 8.98, 9.03, 9.09, 9.12, 9.17, 9.22, 9.27, 9.32, 9.37, 9.41
- **Module Efficiency η (%)**: 15.98, 16.14, 16.29, 16.44, 16.60, 16.75, 16.90, 17.06, 17.21, 17.36, 17.52

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**Electrical Parameters at NOCT**

- Power (W): 192.8, 193.5, 194.7, 196.0, 197.8, 199.1, 200.7, 201.8, 203.2, 204.6, 205.9
- V_{mpp} (V): 27.8, 27.9, 27.9, 28.0, 28.0, 28.0, 28.1, 28.1, 28.2, 28.2, 28.3
- I_{mpp} (A): 6.93, 6.96, 6.98, 7.02, 7.06, 7.11, 7.15, 7.18, 7.22, 7.26, 7.30
- V_{oc} (V): 35.4, 35.4, 35.5, 35.5, 35.6, 35.6, 35.7, 35.7, 35.8, 35.8, 35.9
- I_{sc} (A): 7.24, 7.31, 7.37, 7.43, 7.49, 7.56, 7.62, 7.67, 7.73, 7.79, 7.85

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**Temperature Coefficients (Tc) permissible operating conditions**

- Tc of Open Circuit Voltage (β): -0.31%/°C
- Tc of Short Circuit Current (α): -0.41%/°C
- Tc of Power (γ): 0.058%/°C
- Maximum System Voltage: 1000 V
- NOCT: 45°C ± 2°C
- Temperature Range: -40°C to + 85°C

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**Mechanical Data**

- **Length × Width × Height**: 1640 × 992 × 36 mm (64.57 × 39.06 × 1.42 inches)
- **Weight**: 18 kg (39.68 lbs)
- **Junction Box**: IP67, 3 bypass diodes
- **Cable & Connectors**: 1200 mm (47.24 inches) length cables, SOLARLOK PV4/MC4 Compatible/MC4 Connectors
- **Application Class**: Class A (Safety class II)
- **Superstrate**: 3.2 mm (0.13 inches) high transmission low iron tempered glass, AR coated
- **Cells**: 60 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
- **Maximum Series Fuse Rating**: 15 A

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**Warranty and Certifications**

- **Product Warranty**: 10 years
- **Performance Warranty**: Linear power warranty for 27 years with 2.5% for 1st year degradation and 0.67% from year 2 to year 27
- **Approvals and Certificates**
  - IEC 61215 Ed2, IEC 61730, IEC 62716, IEC 60068-2-68, CE*, MCS*, PV Cycle*, IEC 62804, IS 14286, CEC (Australia)*

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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 requirement with the company representative while placing your order.

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**Packaging Information**

- **Quantity / Pallet**: 28
- **Pallets / Container (40’HC)**: 28
- **Quantity / Container (40’HC)**: 784