ELDORA PRIME

MAXIMUM SYSTEM VOLTAGE INCREASED TO 1500VDC (IEC & UL), increased string length, low BOS cost

Extremely NARROW POWER binning tolerance of +2.5 Wp to reduce current mismatch loss in single string

EXTREMELY RELIABLE PRODUCT
suiting harsh environment conditions withstand 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
• 3rd Party validated PAN file

APPLICATIONS
• On-grid large scale utility systems
• On-grid rooftop residential and commercial systems
• Off-grid residential systems

ELDORA VSP.60.AAA.05 | POLYCRYSTALLINE SOLAR PV MODULES | 60 CELLS | 260–285 WATT
TECHNICAL DATA
ELDORA PRIME

THIS DATASHEET IS APPLICABLE FOR: ELDORA VSP.60.AAA.05 (AAA=260-285)

Electrical Data

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

Peak Power Pmax (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 Vmp (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 Impp (A) 8.43 8.50 8.57 8.62 8.70 8.76 8.82 8.89 8.94 9.00 9.07
Open Circuit Voltage Voc (V) 37.9 38.0 38.1 38.2 38.3 38.4 38.5 38.6 38.7 38.8 38.9
Module Efficiency η (%) 15.98 16.14 16.29 16.44 16.60 16.75 17.00 17.21 17.36 17.52

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
Vmp (V) 27.8 27.9 27.9 28.0 28.0 28.1 28.1 28.2 28.2 28.3
Impp (A) 6.93 6.96 6.98 7.02 7.04 7.06 7.09 7.12 7.14 7.15 7.20
Voc (V) 35.4 35.4 35.5 35.5 35.6 35.7 35.7 35.8 35.8 35.9
Isc (A) 7.24 7.31 7.37 7.37 7.43 7.49 7.56 7.56 7.62 7.67 7.73

Temperature Coefficients (Tc)

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 45°C ± 2°C
Temperature Range -40°C to +85°C

Mechanical Data

Length × Width × Height 1640 × 992 × 36 mm (64.57 × 39.06 ×1.42 inches)
Weight 18 kg (39.68 lbs)
Junction Box IP68/67, 3 bypass diodes
Cable & Connectors 1200 mm (47.24 inches) length cables, 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

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 61701, IEC 62716, CE, MCS*, IEC 62804

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

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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