

# ELDORA

High Efficiency Solar PV Modules



ELDORA PRIME SERIES | POLYCRYSTALLINE SOLAR PV MODULES | 60 CELLS | 240-260 WATT

THE DATASHEET IS APPLICABLE FOR: ELDORA VSP.60.AAA.03.01

# ELDORA

## PRIME SERIES



Designed for

### HIGH AREA EFFICIENCY

suited for roof-top and ground mounted applications



### GUARANTEED (0 to + 4.99) Wp POWER

output tolerance, ensuring high return on investment



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

#### CERTIFICATES

- ◆ Factory: ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007, SA 8000\*
- ◆ Products: IEC 61215 Ed2, IEC 61730, IEC 62804 Ed1, CE, PV Cycle, UL1703\*

#### APPLICATIONS

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



# TECHNICAL DATA

## ELDORA PRIME SERIES (60 CELLS)



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### Electrical Parameters

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

Peak Power [0-4.99Wp] P <sub>max</sub> [Wp]	240	245	250	255	260
Maximum Voltage V <sub>mpp</sub> [V]	30.16	30.36	30.58	30.77	31
Maximum Current I <sub>mpp</sub> [A]	7.97	8.08	8.18	8.29	8.39
Open Circuit Voltage V <sub>oc</sub> [V]	37.15	37.35	37.55	37.71	37.84
Short Circuit Current I <sub>sc</sub> [A]	8.51	8.61	8.71	8.81	8.94
Module Efficiency [%]	14.91	15.22	15.53	15.84	16.15

1) Tolerance ± 3% except P<sub>max</sub>

### Temperature Coefficients

(T<sub>c</sub>) and permissible operating conditions

T <sub>c</sub> of Open Circuit Voltage (β)	-0.32 % /°C
T <sub>c</sub> of Short Circuit Current (α)	0.065 % /°C
T <sub>c</sub> of Power (γ)	-0.423 % /°C
Maximum System Voltage	1000 V
Temperature Range	-40°C to + 85°C

### Mechanical Data

Length x Width x Height	1639mm x 982mm x 36mm
Weight	17.45kg
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
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 fuse rating	15A

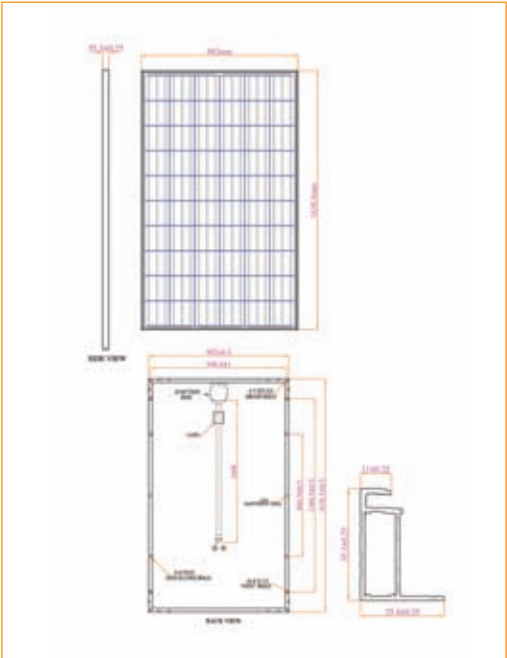
### Warranty and Certifications

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 62804 Ed1, CE, PV Cycle, UL1703*

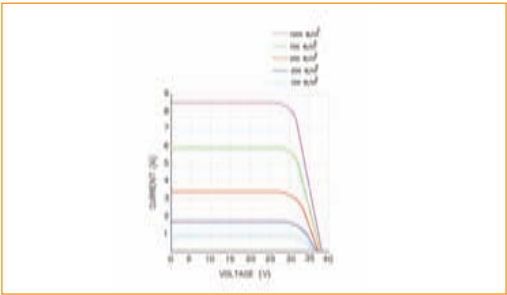
\* All (\*) Certifications under progress . \*\* Refer to Vikram Solar's warranty document for terms and conditions

### Dimensions

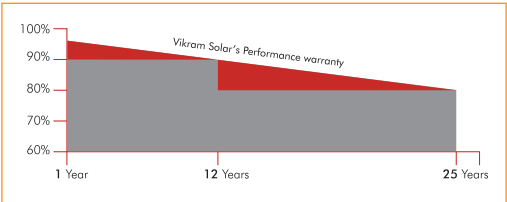
in mm



### IV Curves



### Performance Warranty



### Packaging Information

Quantity/ Pallet	28
Pallets/Container (40' HC)	28
Quantity/Container (40')	784