

ELDORA GRAND SERIES

High Efficiency Solar PV Modules



Designed for

HIGH AREA EFFICIENCY

Suited for roof-top and ground mounted applications & solar pumping application.



GUARANTEED (0 to +4.99) Wp POWER

output tolerance, ensuring high return over investment.



Extremely

RELIABLE PRODUCT

suiting all environment conditions.



Engineered to provide

EXCELLENT LOW LIGHT RESPONSE

APPLICATIONS

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

CERTIFICATES

- ◆ Factory: ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007, SA 8000*
- ◆ Products: IEC 61215 Ed2, IEC 61730, IEC 61701, IEC 62716, MCS, PV Cycle

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
- ◆ Ammonia & Salt mist corrosion resistant

TECHNICAL DATA



ELDORA GRAND SERIES (72 CELLS)

ELDORA GRAND SERIES | POLYCRYSTALLINE SOLAR PV MODULES | 72 CELLS

Electrical Parameters

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

Peak Power (0-4.99Wp) P _{max} (Wp)	280	285	290	295	300	305	310	315
Maximum Voltage V _{mpp} (V)	36.75	36.79	36.88	37.21	37.28	37.82	38.11	38.33
Maximum Current I _{mp} (A)	7.62	7.75	7.87	7.93	8.05	8.08	8.14	8.22
Open Circuit Voltage V _{oc} (V)	43.62	43.77	44.32	44.55	45.1	45.45	45.72	46.04
Short Circuit Current I _{sc} (A)	8.44	8.56	8.61	8.69	8.74	8.79	8.81	8.85
Module Efficiency (%)	14.58	14.85	15.11	15.37	15.63	15.89	16.15	16.41

1) Tolerance ± 3% except P_{max}

Mechanical Data

Length x Width x Height	1955mm x 982mm x 36mm
Weight	20.50kg
Junction Box	IP65, 3 Bypass diodes
Cable & Connectors	1000mm length cable / MC4 Compatible connectors
Application Class	Class A (Safety Class II)
Superstrate	High transmission low iron tempered glass
Cells	72 polycrystalline solar cells; 2BB/3BB
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)
Back Sheet	Composite film
Frame	Anodized aluminium frame with twin wall profile
Mechanical load test as per IEC	2400Pa

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, MCS, PV Cycle

* All (*) Certifications under progress .