

FOR A BRIGHTER FUTURE, GO GREEN GO SOLAR

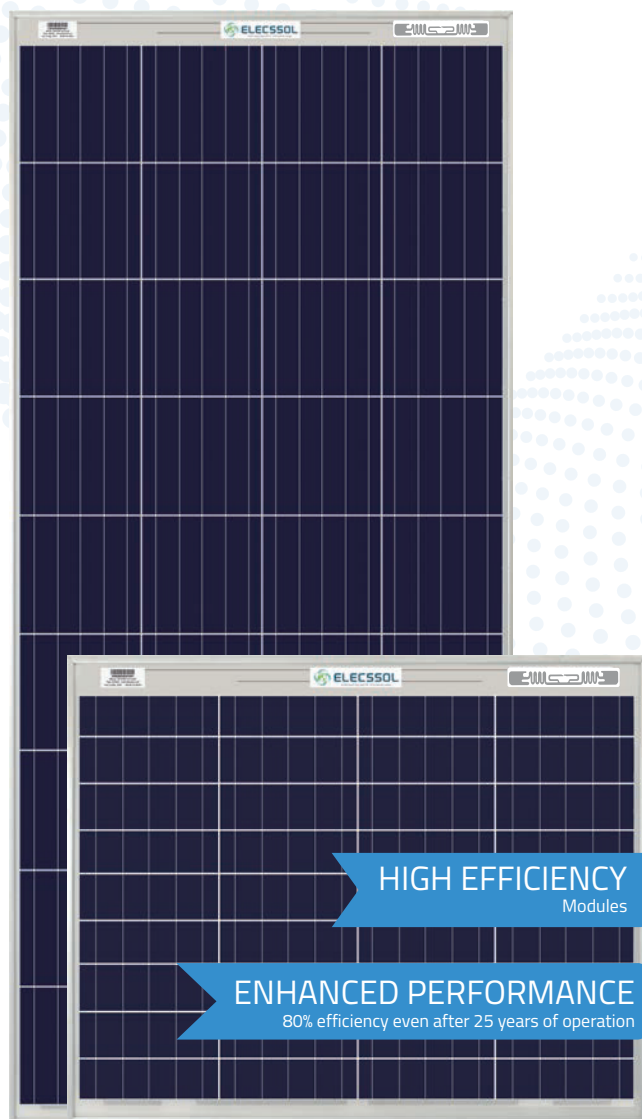
POLYCRYSTALLINE SOLAR PV MODULES



ELECSSL
energizing earth, the solar way

36 CELLS POWER OUTPUT RANGE
10-165 W

SALIENT FEATURES



HIGH POWER OUTPUT

ELECSSL PV modules are compact in size and deliver enhanced output & efficiency.



GLASS WITH ANTI REFLECTIVE COATING

Enhances energy production



LOW LIGHT PERFORMANCE

ELECSSL PV modules designs ensures excellent performance in low light condition



OUTSTANDING DURABILITY

ELECSSL PV modules can withstand 2400 Pa Wind Load , 5400 Pa Snow Load



POSITIVE POWER TOLERANCE

Positive power output tolerance guaranteed ensuring faster ROI



PID RESISTANT WITH LONG TERM RELIABILITY



MAXIMUM SYSTEM VOLTAGE INCREASED TO 1000 VDC

Certifications : IEC61215, IEC61730-1, IEC61701, ISO 9001, 14001, MNRE Approved



www.elecssl.com

TECHNICAL DATA

THIS DATASHEET IS APPLICABLE FOR 10-165W - 36CELLS

Electrical Data - All Data Measured to STC

Module Type	DS10	DS20	DS40	DS50	DS60	DS75	DS80	DS100	DS120	DS125	DS130	DS150	DS160	DS165
Peak Power Watts (Pmax)	10	20	40	50	60	75	80	100	120	125	130	150	160	165
Maximum Power Voltage (Vmp)	17.85	17.15	17.84	17.89	18.04	17.99	18.09	17.99	17.79	17.9	17.99	17.85	18.3	18.5
Maximum Power Current (Imp)	0.62	1.18	2.25	2.8	3.3	4.17	4.43	5.57	6.75	6.99	7.24	8.41	8.79	8.92
Open-circuit Voltage (Voc)	21.65	21.44	21.95	21.77	21.66	22.12	22.24	21.84	21.58	21.65	21.8	22.58	22.58	22.75
Short-circuit Current (Isc)(A)	0.69	1.27	2.44	3.047	3.67	4.49	4.76	6.11	7.36	7.6	7.79	8.7	9.31	9.4
Module Efficiency STC (%)	9.78	12.97	14.49	14.88	14.55	14.74	15.72	15.91	15.62	16.27	16.92	15.19	16.2	16.7
Standard Test Conditions (STC): Temp: 25 °C, Irradiance : 1000 w/m ² and Am : 1.5Am with clean modules														

Temperature Characteristics (TC) and Permissible Operating Conditions

Specification	Data
Tc of Open Circuit Voltage (β)	-0.35 $\pm$ 0.01% / °C
Tc of Short Circuit Current (α)	0.50 $\pm$ 0.02% / °C
Tc Power (γ)	-0.38 %/°C
Maximum System Voltage	1000 V
NOCT	45°C $\pm$ 2°C
Temperature Range	-40°C $\pm$ 85 °C

Mechanical Data

Specification	Data
Cell Arrangement	36 Cells (9 x 4)
Dimensions : Length (mm)	305 460 415 505 620 765 945 1155 1485
Dimensions : Width (mm)	335 355 665 665 665 665 665 665 665
Dimensions : Height (mm)	18 18 34 34 34 34 34 34 34
Weight (Kg) :	1.4 Kg 2.8 Kg 3.6 Kg 4.6 Kg 5.8 Kg 6.8 Kg 7.3 Kg 8.5Kg 10.6Kg
Mounting Hole Diameter & Hole to Hole Distance (mm)	6.9 & 165 6.9 & 300 6.9 & 200 6.9 & 220 6.9 & 300 6.9 & 500 6.9 & 500 6.9 & 600 6.9 & 600
No. of Bypass Diodes	NA 2
Front Cover	3.2mm ARC Glass
Frame Material	Anodized Aluminium Alloy
Junction Box	IP 65 OR IP 67

Warranty

10 Years Product Workmanship Warranty

25 Years Linear Power Warranty. (Please refer to product warranty for details)

DEVANG SOLAAR

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