

FOR A BRIGHTER FUTURE, GO GREEN GO SOLAR

MONOCRYSTALLINE SOLAR PV MODULES



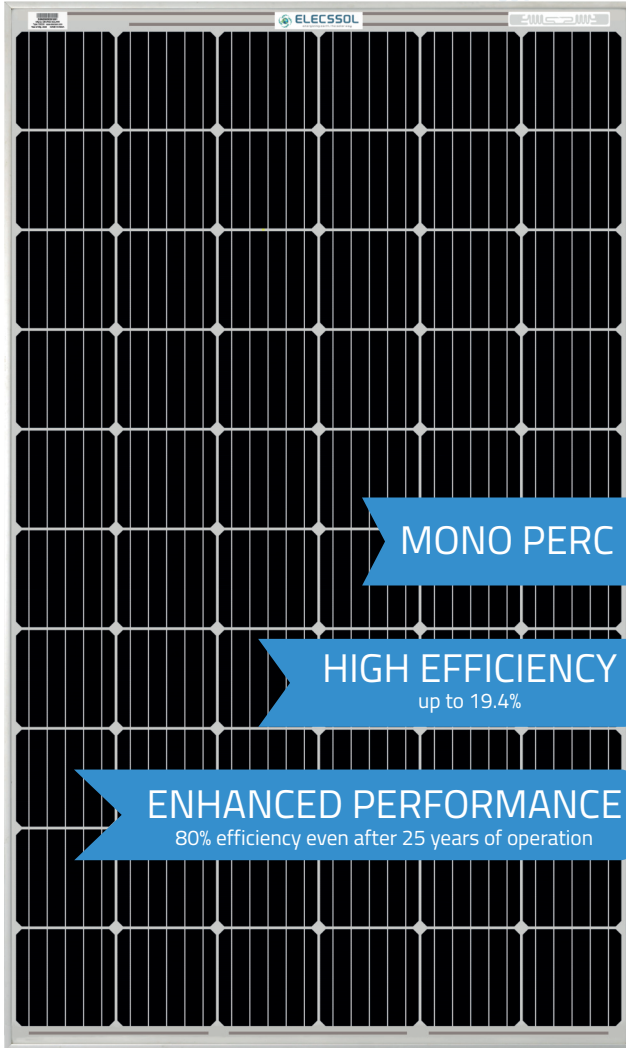
ELECSSL

energizing earth, the solar way

60
CELLS

POWER OUTPUT RANGE
270-315 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 1500 VDC

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



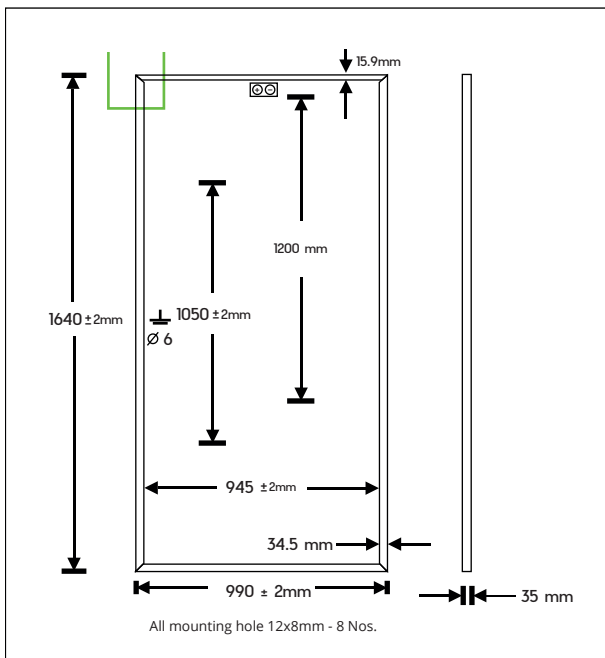
www.elecssl.com



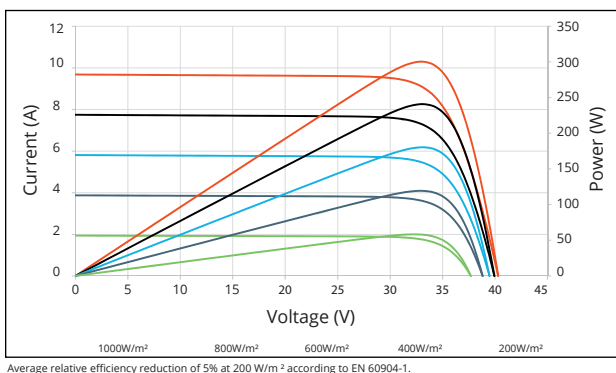
TECHNICAL DATA

THIS DATASHEET IS APPLICABLE FOR 270-315W - 60CELLS

DIMENSIONS IN MM

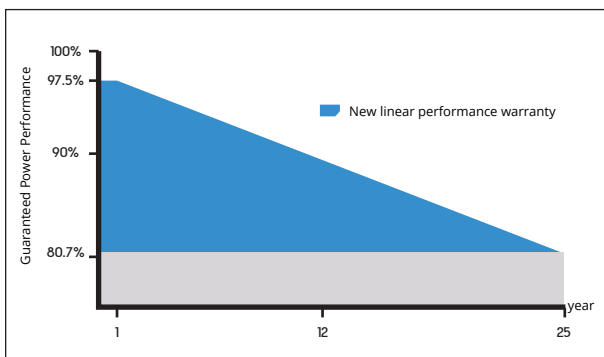


TYPICAL ELECTRICAL CURVES



LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty - 25 Year Linear Power Warranty



Electrical Data - All Data Measured to STC

Module Type	DS270-M	DS280-M	DS290-M	DS300-M	DS310-M	DS315-M
Peak Power Watts (Pmax)	270	280	290	300	310	315
Maximum Power Voltage (Vmp)	31.9	32.2	32.4	32.7	33	33.1
Maximum Power Current (Imp)	8.47	8.7	8.96	9.18	9.4	9.52
Open-circuit Voltage (Voc)	39.6	39.8	40	40.2	40.3	40.5
Short-circuit Current (Isc)(A)	9.06	9.35	9.5	9.73	9.8	9.83
Module Efficiency STC (%)	16.62	17.24	17.86	18.47	19.09	19.4

Standard Test Conditions (STC): Temp: 25 °C, Irradiance : 1000 w/m² and Am : 1.5Am with clean modules

Electrical Data - All Data Measured to NOCT

Peak Power Watts (Pmax)	201	209	216	223	231	235
Maximum Power Voltage (Vmp)	28.8	29.4	29.9	30.2	30.7	30.9
Maximum Power Current (Imp)	6.98	7.1	7.24	7.38	7.53	7.6
Open-circuit Voltage (Voc)	35.5	35.7	36.2	37	37.4	37.6
Short circuit Current (Isc)(A)	7.31	7.61	7.8	7.89	8.03	8.1

Normal Operating Cell Temperature (NOCT): 800w/m², Am 1.5, Wind-speed 1m/s, Ambient temperature 20 °C

Temperature co-efficient (TC) and Permissible Operating Conditions

Tc of Open Circuit Voltage (β)	-0.34 %/°C
Tc of Short Circuit Current (α)	0.053 %/°C
Tc Power (γ)	-0.38 %/°C
Maximum System Voltage	1500V
NOCT	45 °C ± 2 °C
Temperature Range	-40 ~ 85 °C

Mechanical Data

Panel Dimensions (H×W×D)	(1640×990×35/40)
Weight	17.0 Kg
Junction Box	IP68/IP67, 3 Bypass Diodes
Cable & Connectors	1200mm (47.24 inches) length cables, MC4 Compatible/MC4 Connectors/Amphenol
Superstrate	Anti-reflection Coating, 3.2mm
Cells	60 Cells (10×6) Monocrystalline (Mono PERC)
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Sheet	Composite Film
Frame	Anodized aluminium frame with twin wall profile
Mechanical Load Test	5400 Pa (Snow Load), 2400 Pa (Wind Load)
Maximum Series Fuse Rating	15A

Warranty

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

Packing Information

Quantity / Pallet	30 Pcs
Pallets / Container	22
Quantity / Container (40'HQ) :	660

DEVANG SOLAAR

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