

FOR A BRIGHTER FUTURE, GO GREEN GO SOLAR

# POLYCRYSTALLINE SOLAR PV MODULES



**ELECSSL**  
energizing earth, the solar way

**72** POWER OUTPUT RANGE  
**CELLS** **300-335 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

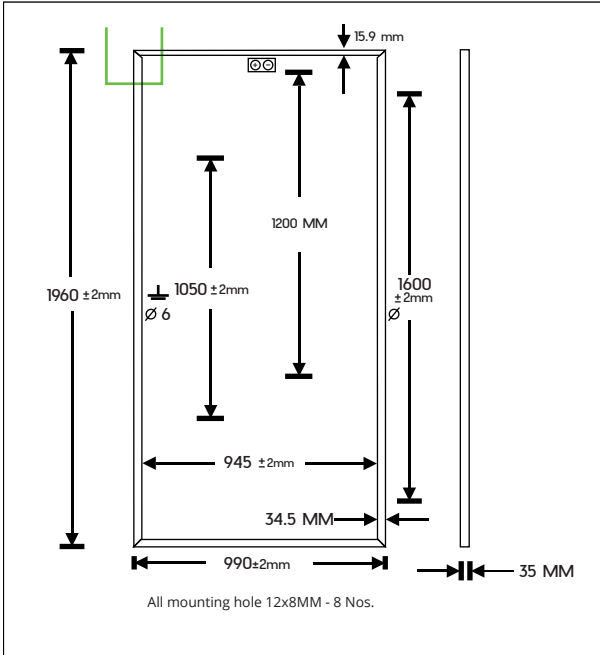




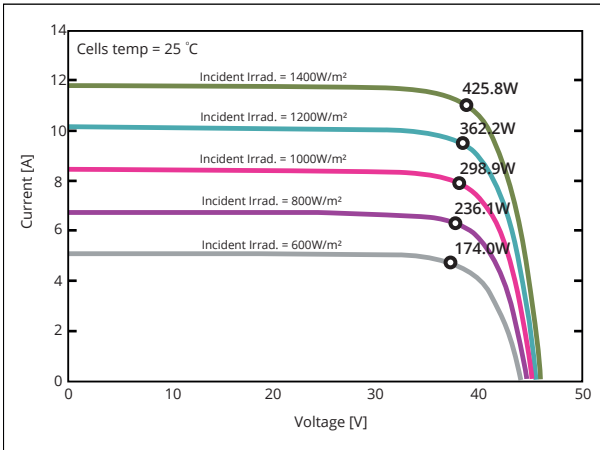
# TECHNICAL DATA

THIS DATASHEET IS APPLICABLE FOR 300-335W - 72CELLS

## DIMENSIONS IN MM

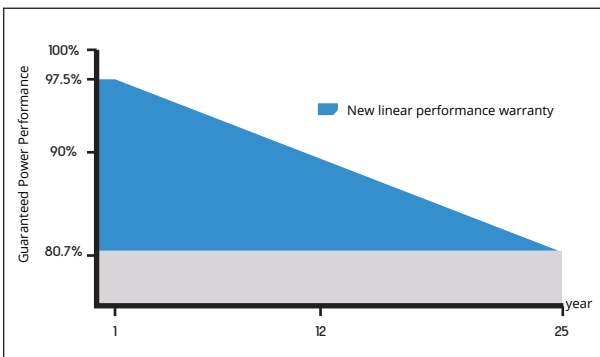


## I-V CURVE WITH IRRADIANCE



## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty - 25 Year Linear Power Warranty



## Electrical Data - All Data Measured to STC

Module Type	DS300	DS310	DS315	DS320	DS325	DS330	DS335
Peak Power Watts (Pmax)	300	310	315	320	325	330	335
Maximum Power Voltage (Vmp)	36.1	36.4	36.5	36.6	36.7	36.8	36.9
Maximum Power Current (Imp)	8.32	8.52	8.64	8.75	8.86	8.97	9.08
Open-circuit Voltage (Voc)	44.6	44.9	45	45.1	45.2	45.3	45.4
Short-circuit Current (Isc)(A)	8.87	9.08	9.1	9.21	9.33	9.41	9.53
Module Efficiency STC (%)	15.46	15.97	16.23	16.49	16.74	17.06	17.26

Standard Test Conditions (STC): Temp: 25°C, Irradiance : 1000 w/m<sup>2</sup> and Am : 1.5Am with clean modules

## Electrical Data - All Data Measured to NOCT

Peak Power Watts (Pmax)	221	229.15	232.8	236.55	240.37	244.7	248.2
Maximum Power Voltage (Vmp)	33.3	33.65	33.7	33.84	33.96	34.2	34.5
Maximum Power Current (Imp)	6.64	6.81	6.91	6.99	7.07	7.16	7.2
Open-circuit Voltage (Voc)	41.21	41.64	41.7	41.77	42.5	42.9	43.1
Short circuit Current (Isc)(A)	7.1	7.29	7.4	7.51	7.57	7.65	7.77

Normal Operating Cell Temperature (NOCT): 800w/m<sup>2</sup>, 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)	(1960×990×35/40)
Weight	21.0 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	72 Cells (12×6) Polycrystalline
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	25 Pcs
Pallets / Container	24
Quantity / Container (40'HQ) :	600

## DEVANG SOLAAR

4/16, Site-4, Adarsh Industrial Area,  
Sahibabad, Ghaziabad (U.P) - 201010  
Phone No. : 0120-4377025  
Email : info@elecscsol.com