

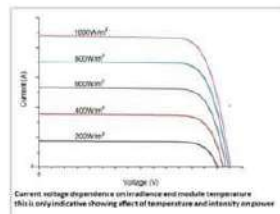
## FEATURES

- ✓ High efficiency 156mm poly crystalline cells.
- ✓ High quality EVA & Back sheet to ensure high performance and provide good weather resistance for rugged environments.
- ✓ Anodized aluminium alloy frame and tempered clear glass with low iron content to enhance high efficiency.
- ✓ By pass diodes provided to avoid effect of partial shading.
- ✓ PV module power rating from 5wp to 250wp.
- ✓ 25 years limited warranty on power output. Output will be still 80% in 25 years, based on rated module performance less the negative tolerance.

## ELECTRICAL CHARACTERISTIC

PRODUCT DESCRIPTION	LVS-140 12V	LVS-140 24V
Rated power Pmax - [w]	140	140
Rated voltage Vmax - [V]	17.40	35.00
Rated current Imax - [A]	8.23	4.11
Open circuit voltage -[V]	21.60	43.00
Short circuit current -[A]	9.17	5.05
Tolerance	±3%	±3%

Standard test conditions : irradiance 1000w/m<sup>2</sup>, Module temperature 25°C, spectrum A M 1.5

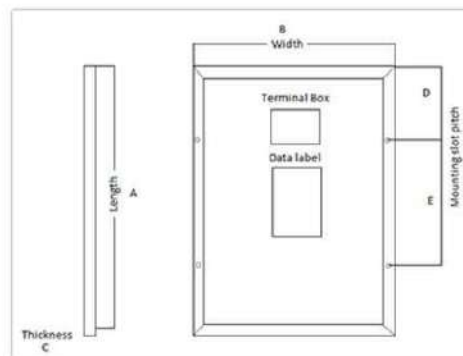


### TEMPERATURE COEFFICIENTS

Voltage Voc : (- 0.379% of Voc / K)  
Current Isc : (-0.0396% of Isc / K)  
Power Pmax : (-0.46% / deg K)

Maximum system voltage : 1000DC  
Operating module temperature :-  
40°C to 90°C  
NOCT : 47°C ± 2°C

## MODULE DRAWING & MOUNTING DETAILS



MECHANICAL SPECIFICATIONS :	LVS-140 12V	LVS-140 24V
Length [mm] - A	1490	1490
Width [mm] - B	665	665
Thickness [mm] - C	38	38
Mounting slot [mm]- D	372	372
Mounting slot [mm]- E	1118	1118
No of cells & arrangement	36(4×9)	72(4×18)

### OTHER CHARACTERISTICS:

Cell type	High Efficiency multi Crystalline cell ( 156×156mm)
Front glass	Toughened Textured Glass
Glass thickness	3.2 mm
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)
Back sheet	Poly Vinyl Fluoride
Frame	Silver Anodized Aluminum Alloy
Junction Box	4 rail junction box
No of Diode	3