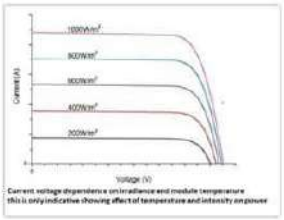
FEATURES

- ✓ 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

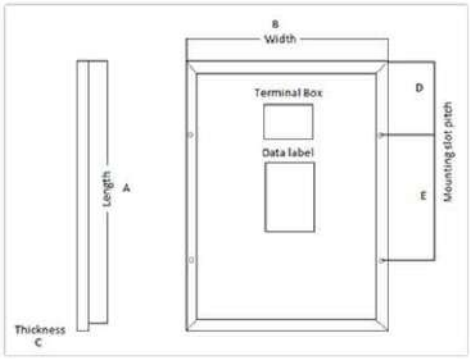
PRODUCT DESCRIPTION	LVS-120 12V	LVS-120 24V
Rated power Pmax - [w]	120	120
Rated voltage Vmax - [V]	17.40	35.00
Rated current Imax- [A]	7.40	3.70
Open circuit voltage -[V]	21.60	43.0
Short circuit current -[A]	8.22	4.12
Tolerance	±3%	±3%
Standard test conditions : irradiance 1000w/m², Module temperature 25°C, spectrum A M 1.5		



Current voltage dependence on irradiance and module temperature this is only indicative showing effect of temperature and intensity on power

TEMPERATURE COEFFICIENTS
Voltage Voc : (- 0.379% of Voc / K)
Current Isc : (-0.0396% of Isc / K)
Power Pmax : (-0. 48% / 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-120 12V	LVS-120 24V
Length [mm] - A	1270	1270
Width [mm] - B	665	665
Thickness [mm] - C	38	38
Mounting slot [mm]- D	317	317
Mounting slot [mm]- E	953	953
No of cells & arrangment	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	3 rail junction box
No of Diode	2