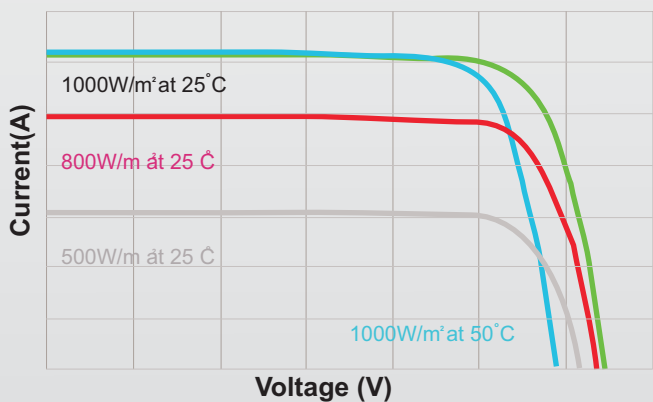


## Features

- High efficiency 156mm poly crystalline cells
- High quality eva & back sheet to ensure high performance and provide good weather \ resistance for rugged environments.
- Anodized aluminum alloy frame and tempered & textured clear glass with low iron content to enhance high efficiency.
- Bypass diodes provided to avoid effect of partial shading.
- IEC61215, IEC61730 & IEC61701 certified
- An ISO 9001:2008 & ISO 14001:2004 certified production facility.
- PV module power rating from 3wp to 300wp
- 25 years limited warranty on power output. Output will be still 80% in 25 years, based on rated module performance less the negative tolerance.

<b>Electrical Specifications:</b>	
Product Description	SS-180
Rated Power Pmax - [W]	180
Rated Voltage Vmax - [V]	23.0
Rated Current Imax - [A]	7.82
Open Circuit Voltage Voc - [V]	28.8
Short Circuit Current Isc - [A]	8.40
Tolerance	±3%
Standard Test Conditions: Irradiance 1000 W/ m <sup>2</sup> , Module temperature 25 °C, Spectrum AM 1.5	



Current voltage dependence on Irradiance and module temperature. this is only indicative showing affect of temperature and intensity on power

### Temperature Coefficients

Voltage Voc : (- 0.379% of Voc / C)  
Current Isc : (- 0.0396% of Isc / C)  
Power Pmax : (- 0.48%/deg C)

Maximum system voltage : 1000VDC  
Operating Module Temperature :  
-40°C to +90°C  
NOCT : 47°C ± 2°C

### Certifications



SIRIUS SOLAR ENERGY SYSTEMS Pvt.Ltd.

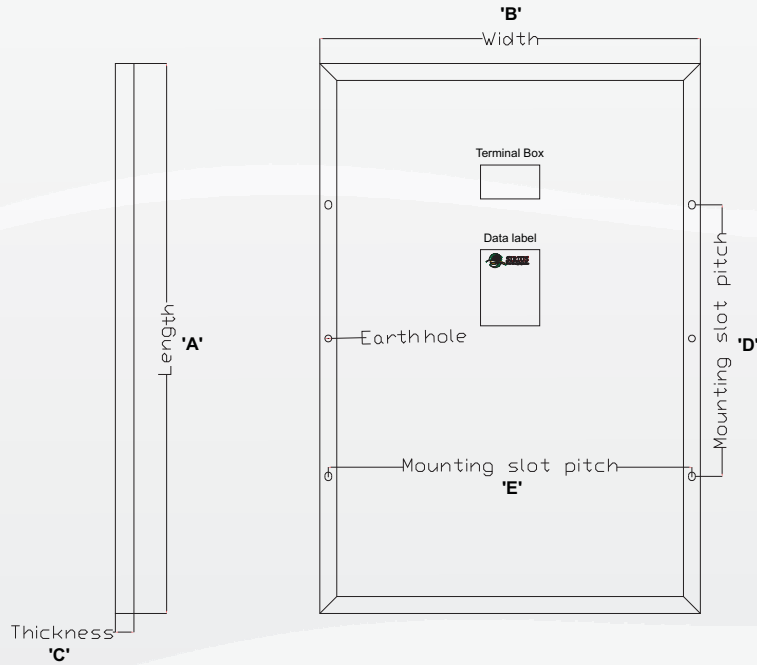
Regd.Office : H.No.:35-6-35/14, Plot No.:454, Vivekananda Nagar, Kukatpally, Hyd - 072

Phone: 040 - 23065133, Fax No: +91-40-23064121, Cell:+91-9705922258

Email : marketing@siriussolarenergy.com, Web Site: www.siriussolarenergy.com



**Module Drawing & Mounting details:**



<b>Mechanical Specifications:</b>	<b>SS-180</b>
Length [mm] - A	1335 ± 1
Width [mm] - B	987 ± 1
Thickness [mm] - C	34
Mounting slot [mm] - D	669
Mounting slot [mm] - E	951
Mounting hole (mm)	12X10 mm
Earth hole	4mm dia
Aprox. weight [Kg]	16.80
No. of cells & Arrangement	48 (6X8)

<b>Other Characteristics:</b>	
Cell type	High Efficiency Multi Crystalline Cells (156mm X 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 Diodes	3

specifications are subject to change without prior notice due to constant improvement in design & technology

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