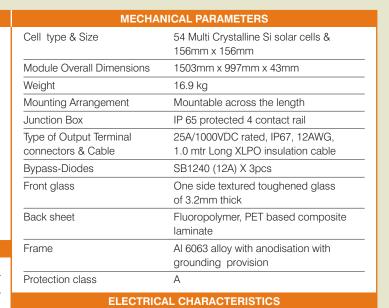
TYPICAL ELECTRICAL PARAMI	ETERS
Nominal Power at STC, Pmax	190W
Voltage at maximum Power Point, Vmp	26.3V
Current at maximum Power Point, Imp	7.23A
Open circuit voltage, Voc	32.5V
Short Circuit Current, Isc	8.1A
NOCT	47±2°C
Maximum System Voltage	1000 VDC
Maximum series fuse rating	10A
Operating and Storage Temperature	-40°C to +85°C
Temperature Coefficient of Pmax	-0.50 %/K
Temperature Coefficient of Voc	-0.35 %/K
Temperature Coefficient of Isc	+0.07 %/K

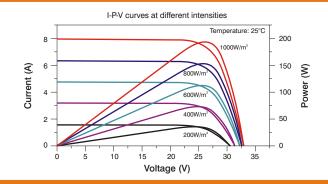
PERFC	RMANCE AT	800W/M <sup>2</sup> , I	NOCT, AM1.5

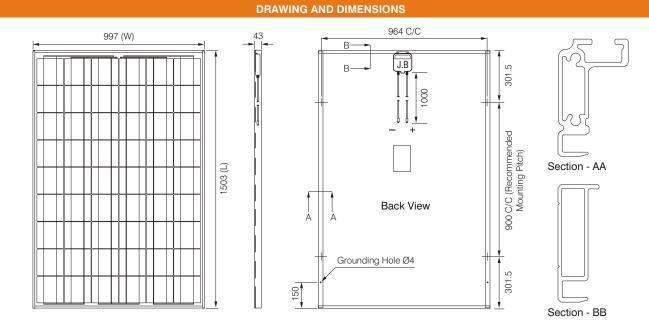
140W
23.06V
6.08A
30.05V
6.44A

Note:The Performance of the solar modules is measured at STC: Irradiance 1000 W/m², Module Temperature at 25°C and AM 1.5G spectrum. The tolerance in Pmax is ±3%

- 2 year limited product warranty\*
- 10 years limited warranty\* for minimum 90% power output
- 25 years limited warranty\* for minimum 80% power output







The modules are also available in similar configuration for 180, 185 and 195 watt of peak nominal power at STC

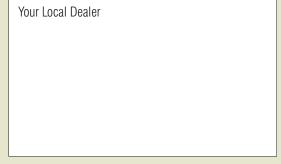


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Specification mentioned in this brochure are subject to continuous improvements, and may change without prior notice. Product picture is a representation and may differ from actual product.





# **RS190**

# **Photovoltaic Module**

Modules are manufactured in a state-of-the-art. automated and ISO 9001:2008 certified manufacturing facility. The modules are designed as per IEC 61215, IEC 61730 and UL 1703 standards.







# High Efficiency:

- Usage of high efficient cells
- Acid texturised solar cells
- Fine silver grid lines
- Fully covered back surface field
- Optimized anti reflective coating on
- One side textured, tempered glass increases light absorption & efficiency
- Tight tolerance in power ± 3%

## **Reliability Aspects:**

- Maximum system voltage of 1000V
- High corrosion resistant frame
- Lower slope of module frame
- Proven Glass /EVA/Backsheet encapsulation technology
- Three layered structured backsheet
- Double sided polyurethane tape for frame fixing
- High tensile structure of frame
- Universal frame with anywhere mounting

## Safety Aspects:

- Weather proof junction box with bounced clips
- Highly reliable bypass diodes
- Lock mechanism equipped connectors
- High current rated insulated cables

<sup>\*</sup> please ask for detailed warranty terms