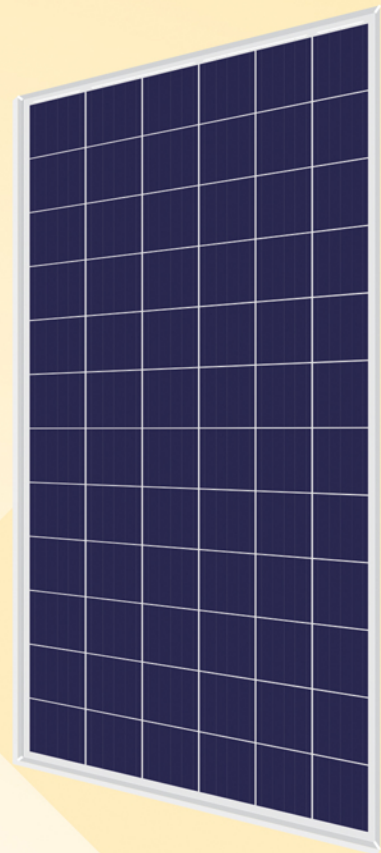




POLY CRYSTALLINE PV MODULES 72 CELLS



EXCELLENT MODULE EFFICIENCY



POSITIVE POWER TOLERANCE



1500 MAX SYSTEM VOLTAGE



IP68 JUNCTION BOX
FOR LONG TERM WEATHER
PROTECTION.



PRE AND POST LAMINATION EL
TESTING



HIGHER SPECIFIC ENERGY YIELD



PID FREE



SALT MIST CORROSION
RESISTANT



APPROVED



CERTIFIED

FEELS BRIGHT
FEELS RIGHT



APPROVED



CERTIFIED



AN ISO 9001:2015 CERTIFIED



MADE IN INDIA

Technical Details of R-Smart Series **SPV** Modules

Electrical Parameters at STC**

Model	RSMART24330	RSMART24335	RSMART24340
Nominal Maximum Power (Pmax)	330	335	340
Voltage At Max. Power (Vmax)	38.40	38.50	38.52
Current At Max. Power (Imax)	8.61	8.72	8.90
Open Circuit Voltage - (Voc)	46.61	46.63	46.65
Short Circuit Current (Isc)	8.87	9.00	9.06
Module Efficiency%	16.62	16.87	17.12

**Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and Cell temperature of 25° C.

Electrical Parameters at NOCT

Model	RSMART24330	RSMART24335	RSMART24340
Maximum Power (W)	249.84	252.68	254.61
Voltage at Pmax (V)	35.54	35.59	35.61
Current at Pmax (A)	7.03	7.10	7.15
Open Circuit Voltage - Voc (V)	42.98	43.01	43.26
Short Circuit Current Isc (A)	7.54	7.59	7.63

Mechanical Parameters

Dimensions :	1985 x 1000 x 35 mm
Cell :	72 Nos., 5BB Polycrystalline Si
Weight :	21.20 Kg
Front Cover :	ARC Coated Hi Transmission Tempered Glass
Frame Material :	Anodized High Grade Aluminum Alloy Profile
Junction Box :	IP 68
Connector :	Mc4
Mechanical Load Test :	5400 Pa - Snow Load : 2400 Pa - Wind Load

Product Safety Ratings

Maximum System Operating Voltage	1500V
Maximum Over Current Protection Rating	20 A
Application Class	Class A
Safety Class	Class II

Temperature Parameters

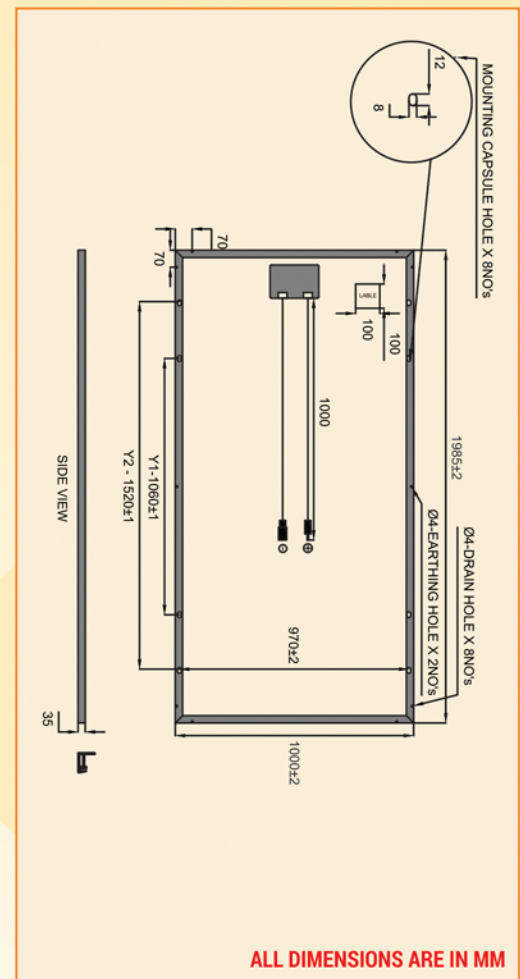
Temperature Co-efficient of Power (γ)	-0.39%/°C
Temperature Coefficient of Voltage (β)	-0.31%/°C
Temperature Coefficient of Current (α)	+0.048%/°C
NOCT	45°C ± 2°C
Operating Temperature Range °C	-40 to + 85

Packing Detail

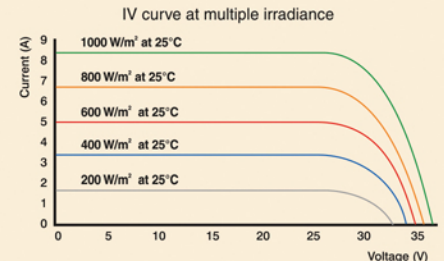
Quantity/Pallet :	30 Nos	Pallets/Container (40'HQ) :	22 Nos
Pallets/Container (20'HQ) :	10 Nos	Quantity/Container	660 Nos
Quantity/Container	300 Nos	-	-

Warranty and Certifications

Product Warranty***	10 Years
Performance Warranty***	Limited Warranty for Power Output (90% for 10 Years & 80% for 25 Years)
Approvals and Certificates	IEC 61215, IS 14286, IS/IEC 61730 part-1, IS/IEC 61730 part-2, IEC 61701, AN ISO 9001:2015, IEC 62804



R - SMART 72 SERIES



Current/Voltage dependence on irradiance and module temperature. These I-V curves indicate the effect of temperature and light intensity on module Performance

The aforesaid datasheet only provides the general information on Redren Solar PV Modules, due to the on-going innovation and improvement Specifications included in this datasheet are subject to change without notice. Redren Reserves the rights of final interpretation and revision of datasheet.

*Certifications are under process

**Irradiance of 1000W/m², spectrum AM of 1.5 & cell temperature of 25°C

***Refer Redren Solar warranty document for terms & conditions.

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