



RADIANT SOLAR



Radiant Solar Private Limited, an ISO 9001:2008 certified company, is dedicated to develop alternative forms of renewable energy in an effort to promote a more intelligent solution to powering our lives and passionately committed to promoting green energy choices to combat global warming, and to support a clean and sustainable future for our children.

Radiant Solar manufacturer of high-performance photovoltaic multi crystalline silicon modules for residential, commercial and utility scale power generation, at FAB city Special Economic Zone of the Government in Hyderabad, India.

The modules are tested and certified at TUV Rheinland, Germany for IEC 61215, IEC 61730 - 1 & 2 including fire C rating test and UL Laboratory for IEC 61701 against salt mist corrosion.

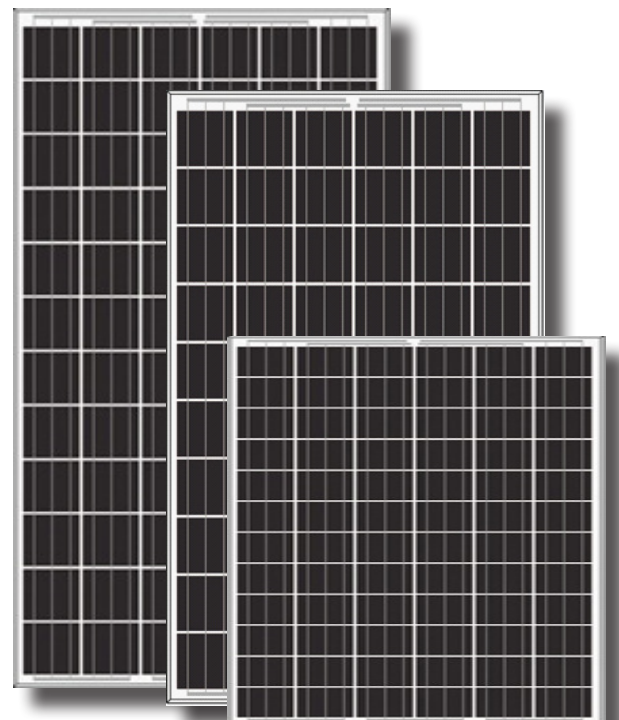
The Modules are manufactured in a dust free Air-Conditioned clean room meeting the stringent International specifications

Radiant Solar Quality

- Positive Power Tolerance 0~+5watt
- Potential Induced Degradation (PID) Resistant
- Modules Binned by current to improve system performance
- Manufactured in Air Conditioned dust free clean room

Outstanding Warranty

- 12 Years product warranty
- 25 years linear performance warranty



www.tuv.com
ID 0000041001
with class C fire rating



IEC 61701



Australia



ISO 9001:2008

Features

- Multicrystalline modules designed for residential, commercial, and utility-scale power generation.
- High output, Highest conversion efficiency
- Designed for IEC DC 1000V applications
- Tested and certified by TUV Rheinland, Germany as per IEC 61215, IEC 61730-1 & 2 with class C fire rating.
- Tested and certified by UL Laboratory as per IEC 61701 for Salt Mist Corrosion.
- Excellent Mechanical load resistance high wind load 2400pa

RS-60 Series | Poly-Crystalline Photovoltaics

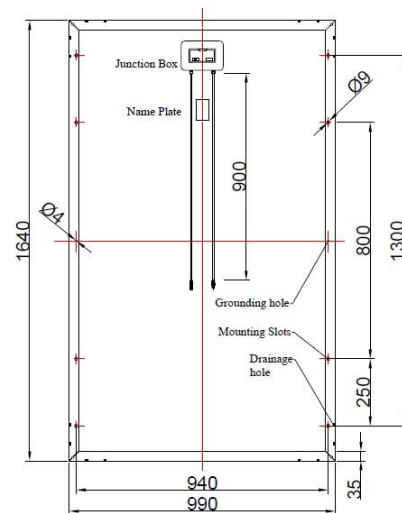
Electrical Characteristics	STC (Standard Test Condition)					NOCT (Nominal Operating Cell Temperature)				
	230Wp	235Wp	240Wp	245Wp	250Wp	230Wp	235Wp	240Wp	245Wp	250Wp
Max Peak Power, Pmax (W)	230	235	240	245	250	167	171	175	179	181
Max Peak Voltage, Vmp (V)	30.36	30.66	30.96	31.32	31.56	27.43	27.7	27.97	28.	28.4
Max Peak Current, Imp (A)	7.55	7.66	7.77	7.82	7.92	6.04	6.13	6.22	6.31	6.34
Open Circuit Voltage, Voc (V)	36.78	37.08	37.20	37.34	37.68	33.97	34.25	34.36	34.6	34.8
Short Circuit Current, Isc (A)	8.22	8.35	8.47	8.51	8.63	6.64	6.75	6.84	6.97	6.97
Maximum System Voltage (V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Efficiency (%)	14.16	14.47	14.78	15.2	15.4					

Pmax, Voc, Isc, Vmp and Imp tested at STC (Standard Test Condition) defined as irradiance of 1000W/m² at AM 1.5 solar spectrum 25 ± 2° C

Pmax, Voc, Isc, Vmp and Imp tested at NOCT (Nominal Operating Cell Temperature) defined as irradiance of 800W/m²; wind speed 1m/s

Mechanical Characteristics

Type of Cell	60 Poly-crystalline Solar Cell
Module Dimension	1640mm x 990mm x 40mm
Mounting Holes	Elliptical and 8 nos (9mm x 14mm)
Grounding Hole	Circular and 2 nos (4mm dia.)
Frame	Anodized Aluminum Frame
Cell Dimension	156mm x 156mm
Weight	19.5 Kg
Connector	IP 67 plug and play connector



RS-72 Series | Poly-Crystalline Photovoltaics

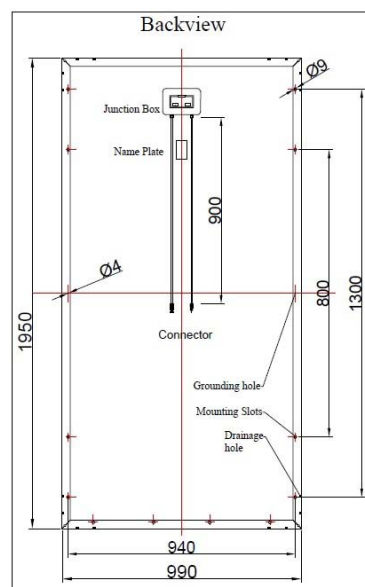
Electrical Characteristics	STC (Standard Test Condition)					NOCT (Nominal Operating Cell Temperature)				
	260Wp	270Wp	280Wp	290Wp	300Wp	260Wp	270Wp	280Wp	290Wp	300Wp
Max Peak Power, Pmax (W)	260	270	280	290	300	189	195	202	210	217
Max Peak Voltage, Vmp (V)	36.43	36.43	36.72	37.29	37.72	32.91	32.91	33.17	33.69	34.08
Max Peak Current, Imp (A)	7.12	7.39	7.62	7.83	7.94	5.71	5.93	6.06	6.27	6.34
Open Circuit Voltage, Voc (V)	44.13	44.13	44.42	44.85	45.21	40.76	40.76	41.03	41.43	41.76
Short Circuit Current, Isc (A)	7.92	8.12	8.22	8.53	8.62	6.40	6.52	6.64	6.89	6.97
Maximum System Voltage (V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Efficiency (%)	13.47	13.99	14.5	15.02	15.54					

Pmax, Voc, Isc, Vmp and Imp tested at STC (Standard Test Condition) defined as irradiance of 1000W/m² at AM 1.5 solar spectrum 25 ± 2° C

Pmax, Voc, Isc, Vmp and Imp tested at NOCT (Nominal Operating Cell Temperature) defined as irradiance of 800W/m²; wind speed 1m/s

Mechanical Characteristics

Type of Cell	72 Poly-crystalline Solar Cell
Module Dimension	1950mm x 990mm x 40mm
Mounting Holes	Elliptical and 8 nos (9mm x 7mm)
Grounding Hole	Circular and 2 nos (4mm dia.)
Frame	Anodized Aluminum Frame
Cell Dimension	156mm x 156mm
Weight	24.5 Kg
Connector	IP 67 plug and play connector



RS-72 CP Series | Poly-Crystalline Photovoltaics

Electrical Characteristics

STC (Standard Test Condition)

NOCT (Nominal Operating Cell Temperature)

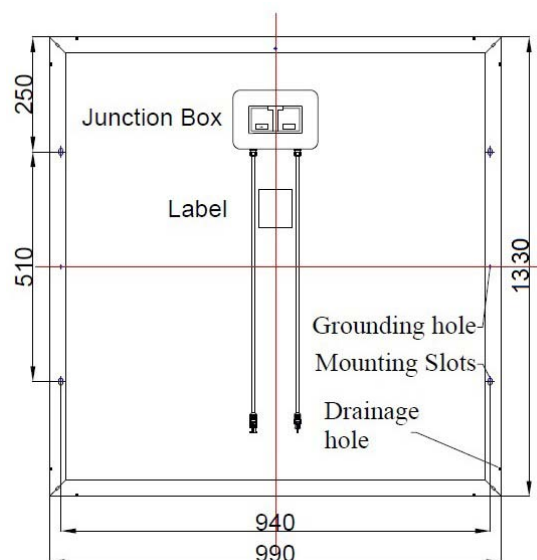
	170Wp	175Wp	180Wp	185Wp	190Wp	170Wp	175Wp	180Wp	185Wp	190Wp
Max Peak Power, Pmax (W)	170	175	180	185	190	123	127.00	130.50	135.00	138
Max Peak Voltage, Vmp (V)	37.72	37.73	37.75	37.77	37.79	34.08	34.08	34.08	34.08	34.09
Max Peak Current, Imp (A)	4.50	4.63	4.77	4.90	5.03	3.61	3.72	3.82	3.93	4.03
Open Circuit Voltage, Voc (V)	44.35	44.35	44.35	44.42	44.49	40.96	40.96	40.96	41.03	41.10
Short Circuit Current, Isc (A)	4.91	5.05	5.20	5.34	5.49	3.97	4.08	4.20	4.32	4.43
Maximum System Voltage (V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Efficiency (%)	12.91	13.29	13.67	14.05	14.43					

Pmax, Voc, Isc, Vmp and Imp tested at STC (Standard Test Condition) defined as irradiance of 1000W/m² at AM 1.5 solar spectrum 25 ± 2° C

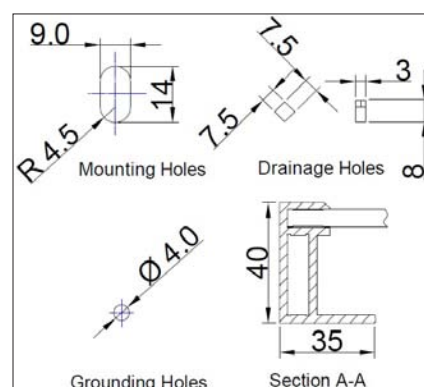
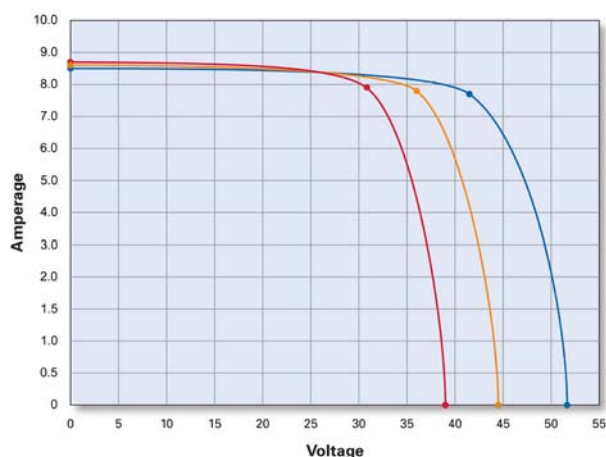
Pmax, Voc, Isc, Vmp and Imp tested at NOCT (Nominal Operating Cell Temperature) defined as irradiance of 800W/m²; wind speed 1m/s

Mechanical Characteristics

Type of Cell	72 Poly-crystalline Solar Cell
Module Dimension	1330mm x 990mm x 40mm
Mounting Holes	Elliptical and 8 nos(9mm x 14mm)
Grounding Hole	Circular and 2 nos (4mm dia.)
Frame	Anodized Aluminum Frame
Cell Dimension	104mm x 156mm
Weight	16 Kg
Connector	IP 67 plug and play connector

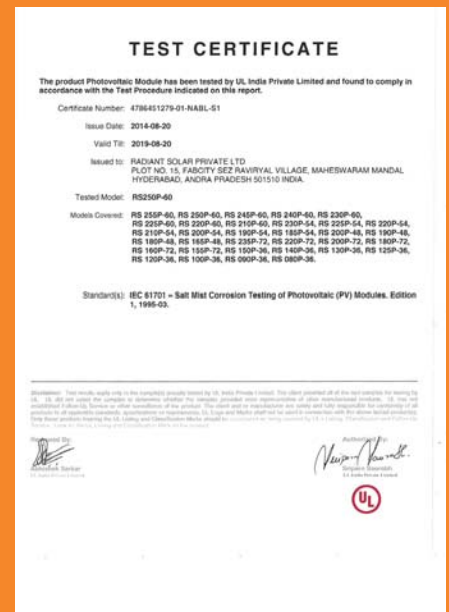


I-V Curve





Certifications



Manufacturing Unit:

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* Due to continuous R&D efforts, product appearance and specifications may be changed without notice.