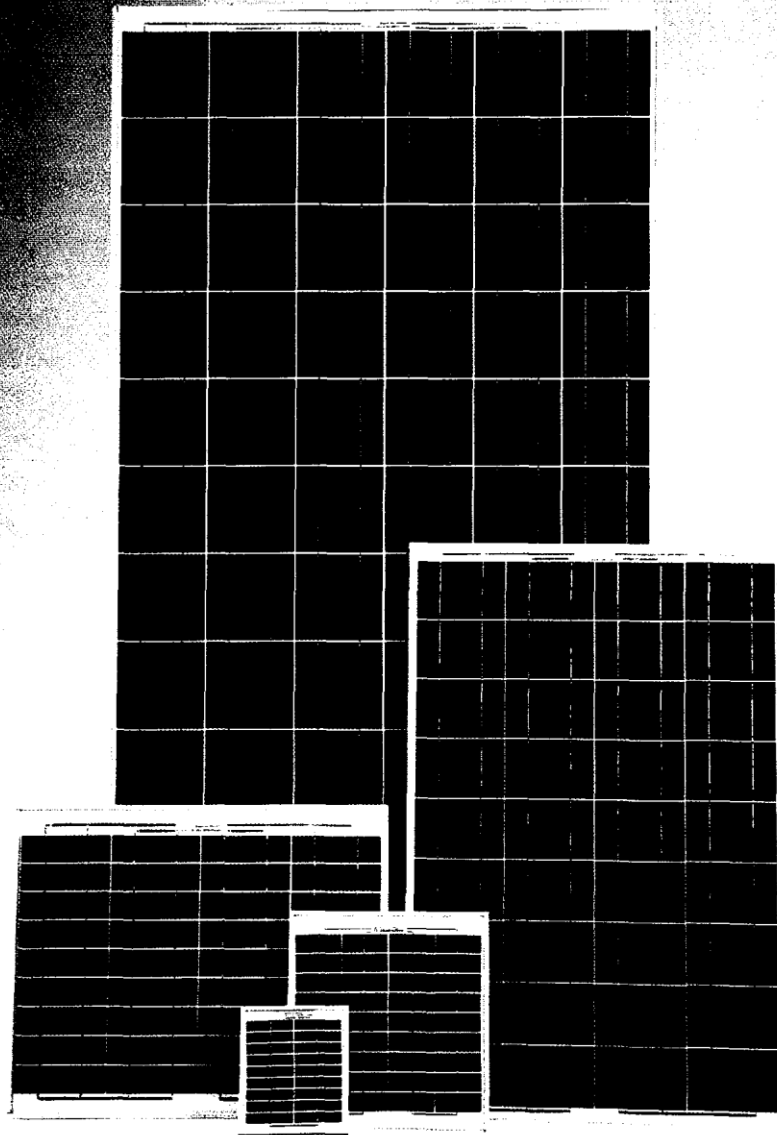


# PRESENTING OUR FLEET OF WORLD CLASS SOLAR MODULES



Reliance Industries Limited provides an optimum and clean solution for electricity generation from Solar Photovoltaic Modules. Reliance has in-house module manufacturing facility and offers standard & custom design modules. The unique, fully automated production process ensures highest level of precision and consistent production quality. The crystalline cells are used to produce the solar modules. Modules are manufactured in a state-of-the-art, automated and ISO 9001:2008 certified manufacturing facility. The modules are certified as per IEC 61215, IEC 61730 and conform to UL 1703 standards.

  
**Reliance**  
Industries Limited  
Solar Group

SOLAR  
**MODULE**

# PHOTOVOLTAIC MODULES

## Features of PV modules

- Wide range of modules from 3.3 Wp to 250 Wp
- Designed to meet IEC standards
- Assembled with high efficiency crystalline silicon solar cells
- 18 to 72 carefully matched crystalline silicon cells, laminated between glass & back sheet using EVA as an encapsulation for improved power tolerance
- All solar cells are redundantly interconnected in series to increase integrity
- Low iron inner textured toughened glass for high transmittance, better output and safety
- Weather proof junction box with easy inter connection arrangement
- Designed with proven materials for reliable and stable operation in outdoor applications
- Designed for system voltage up to 1000V DC
- Higher wattage panels have been provided with heavy duty AWG 12 (4sq.mm.) output cables with weather proof DC connectors

## Application

- BIPV laminates
- Roof top system for commercial and domestic purpose
- Telecommunication
- Railway signals and LC gates
- Railway platform lighting
- Home light and street light
- Grid connected power plant
- Stand alone system
- Defense applications
- Offshore platforms
- Telemetry

## Module Technical Specifications

Model No	Nominal Power Pmax (W)	Max-Power Voltage Vmp (V)	Max-Power Current Imp (A)	Open Circuit Voltage Voc (V)	Short Circuit Current Isc (A)	Dimensions (L X W X D) (mm)	Weight (kg)
RS063.3	3.3	8.75	0.38	10.75	0.44	213 X 185 X 20	0.55
RS1210	10.8	17.5	0.62	21.5	0.67	297 X 347 X 20	1.40
RS1212	12.8	17.5	0.74	21.5	0.78	297 X 347 X 20	1.40
RS1218	19.0	17.5	1.09	21.5	1.20	496 X 334 X 20	2.00
RS1220	20.0	17.5	1.16	21.5	1.25	496 X 334 X 20	2.00
RS1240	40.0	17.5	2.30	21.5	2.54	540 X 662 X 35	4.26
RS1240 S5	40.0	17.6	2.30	21.5	2.52	643 X 546 X 35	3.85
RS1250	50.0	17.5	2.88	21.5	3.25	634 X 662 X 35	4.65
RS1260	60.0	17.5	3.45	21.5	3.85	774 X 662 X 35	5.50
RS1275	78.0	17.5	4.50	21.5	4.80	1008 X 662 X 35	7.20
RS1275 S5	78.0	17.6	4.45	21.6	4.95	1205 X 546 X 35	6.91
RS1280	80.0	17.5	4.60	21.5	5.04	1008 X 662 X 35	7.20
RS12125*	125	17.40	7.20	21.60	7.91	1503 X 679 X 43	12.10
RS170*	170	23.60	7.23	29.10	8.10	1344 X 997 X 43	15.20
RS190*	190	26.30	7.23	32.50	8.10	1503 X 997 X 43	16.90
RS210*	210	29.20	7.20	36.20	7.95	1662 X 997 X 43	18.60
RS24250*	250	34.80	7.20	43.40	7.95	1980 X 997 X 43	26.10

\*TUV certified

Note: - Standard Test Condition STC of 100mW/cm<sup>2</sup>, AM 1.5 Solar Spectrum and 25° C cell Temperature  
 - Nominal Operating Cell Temperature (NOCT) : 47±2°C  
 - Temperature coefficient of Current is 0.05%/°K  
 - Temperature coefficient of Voltage is -0.35%/°K