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Solar Panel Guide Specification Data Sheet

Raajratna Ventures Limited

R020~325P

R310P

Also available on the web at
EnergyPal.com/raajratna-ventures-limited-solar-panels/r310p



PRODUCT RANGE 020Wp to 325Wp

Poly Model	Cells	Voltage/Wattage	Module Size [±1mm]	Packing Per MB	Weight of MB (KG)	Pmax (Wp)	Vmax (V)	Imax (Amp)	Voc (V)	Isc (Amp)	Module Eff. (%)
R020P	36	12V / 20Wp	548 x 338 x 38mm	10	34	20	17.46	1.15	21.60	1.24	10.79
R025P	36	12V / 25Wp	436 x 671 x 35mm	10	39	25	17.46	1.43	21.60	1.54	8.54
R030P	36	12V / 30Wp	436 x 671 x 35mm	10		30	17.46	1.72	21.60	1.85	10.25
R040P	36	12V / 40Wp	531 x 671 x 35mm	5		25	17.57	2.28	21.60	2.45	11.22
R050P	36	12V / 50Wp	636 x 671 x 35mm	5	29	50	17.57	2.85	21.60	3.06	11.71
R060P	36	12V / 60Wp	776 x 671 x 35mm	5	35	60	17.57	3.42	21.60	3.68	11.52
R075P	36	12V / 75Wp	776 x 671 x 35mm	5	35	75	17.57	4.27	21.60	4.59	14.40
R080P	36	12V / 80Wp	891 x 656 x 35mm	5	41	80	18.11	4.42	21.60	4.75	13.68
R085P	36	12V / 85Wp	956 x 671 x 35mm	5		85	18.09	4.70	21.60	5.05	13.25
R090P	36	12V / 90Wp		5		90	18.11	4.97	21.60	5.34	14.03
R100P	36	12V / 100Wp	1206 x 671 x 35mm	3	35	100	18.09	5.53	21.60	5.94	12.35
R110P	36	12V / 110Wp				110	18.18	6.06	21.60	6.51	13.59
R120P	36	12V / 120Wp				120	18.22	6.59	21.60	7.08	14.82
R150P	36	12V / 150Wp	1496 x 671 x 35mm	3	40	150	18.36	8.17	21.60	8.78	14.94
R160P	72	24V / 160Wp	1336 x 996 x 35mm	2	37	160	35.28	4.54	43.20	4.88	12.02
R175P	72	24V / 175Wp				175	35.89	4.88	43.20	5.25	13.15
R180P	72	24V / 180Wp				180	35.89	5.02	43.20	5.40	13.52
R185P	72	24V / 185Wp				185	36.72	5.04	43.20	5.42	13.90
R200P	60	20V / 200Wp	1336 x 996 x 35mm	2	37	200	30.60	6.54	36.00	7.03	15.03
R200P	72	24V / 200Wp	1496 x 996 x 35mm		40	200	36.72	5.45	43.20	5.86	13.42
R250P	60	20V / 250Wp	1640 x 990 x 35mm	2	45	250	30.60	8.17	36.00	8.78	15.39
R250P	72	24V / 250Wp				250	36.72	6.81	43.20	7.32	15.39
R260P	60	20V / 260Wp				260	30.60	8.50	36.00	9.14	16.01
R300P	72	24V / 300Wp	1960 x 990 x 35mm	2	53	300	36.11	8.31	43.20	8.93	15.46
R310P	72	24V / 310Wp				310	36.17	8.59	43.20	9.23	15.98
R315P	72	24V / 315Wp				315	36.29	8.68	43.20	9.33	16.23
R320P	72	24V / 320Wp				320	36.50	8.77	43.20	9.42	16.49
R325P	72	24V / 325Wp				325	36.72	8.86	43.20	9.52	16.75

Note: All electrical parameters specified at Standard Test Condition (STC) : 25°C, 1000W / m² irradiance, Spectrum Air Mass: 1.5AM

Type of Cell : Mono / Multi Crystalline Solar Cell

Power tolerance : ± 3%, Maximum

System Voltage : 1000VDC, UL - 600V

25 Years Linear Output Warranty

- 90% of rated power output for first 10 years
- 80% of rated power output for next 15 years
- 10 years warranty on materials and workmanship

Comprehensive Certificates

- UL certified IEC 61215, IEC 61730, IEC 61701
- MNRE certificate, MNRE channel partner, for grid connected
- ISO 9001 : 2008, ISO 14001 : 2004
- OHSAS 18001 : 2007

Raajratna Ventures Ltd.

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