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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Grace Renewable Energy Pvt Ltd**

**GRE220-240P**

**GRE250P-24V**

Also available on the web at  
[EnergyPal.com/grace-renewable-energy-pvt-ltd-solar-panels/gre250p-24v](http://EnergyPal.com/grace-renewable-energy-pvt-ltd-solar-panels/gre250p-24v)

Poly Model	Master Box	Voltage/Wattage	Module Size (+/- 1mm)	Weight	Cells	Pmax	Vmax	Imax	Voc	Isc	Panel Eff %	
GRE015P	10	12V / 15Wp	548×338×22 mm 548×338×38 mm	2.5	36	15 Wp	17.30 V	0.87 A	21.16 V	0.95 A	8.10	
GRE020P	10	12V / 20WP	548×338×22 mm 548×338×38 mm	2.5	36	20 Wp	17.36 V	1.16 A	21.04 V	1.32 A	10.79	
GRE025P	10	12V / 25Wp	436×671×35mm	4.2	36	25 Wp	17.46 V	1.44 A	21.05 V	1.63 A	8.54	
GRE030P	10	12V / 30Wp	436×671×35mm		36	30 Wp	17.48 V	1.72 A	21.06 V	1.96 A	10.25	
GRE037P	5	12V / 37Wp	671×531×35mm	5	36	37 Wp	17.54 V	2.11 A	21.08 V	2.38 A	10.37	
GRE040P	5	12V / 40Wp	671×531×35mm		36	40 Wp	17.60 V	2.28 A	21.08 V	2.60 A	11.21	
GRE045P	5	12V / 45Wp	636×671×35mm	5.5	36	45 Wp	17.68 V	2.55 A	21.10 V	2.80 A	10.54	
GRE050P	5	12V / 50Wp	636×671×35mm		36	50 Wp	17.74 V	2.82 A	21.12 V	3.18 A	11.71	
GRE060P	5	12V / 60Wp	776×671×35mm	6.2	36	60 Wp	17.82 V	3.37 A	21.18 V	3.76 A	11.52	
GRE070P	5	12V / 70Wp	776×671×35mm 891×656×35mm	7.25	36	70 Wp	17.89 V	3.92 A	21.20 V	4.24 A	11.97	
GRE075P	5	12V / 75Wp	891×656×35mm		36	75 Wp	17.90 V	4.19 A	21.23 V	4.60 A	12.83	
GRE080P	5	12V / 80Wp	891×656×35mm 956×671×35mm	7.95	36	80 Wp	18.00 V	4.45 A	21.28 V	4.86 A	12.47	
GRE085P	5	12V / 85Wp	956×671×35mm		36	85 Wp	18.02 V	4.72 A	21.28 V	5.28 A	13.25	
GRE090P	5	12V / 90Wp	956×671×35mm		36	90 Wp	18.05 V	4.99 A	21.30 V	5.36 A	14.03	
GRE0100P	3	12V / 100Wp	1206×671×35mm	11	36	100 Wp	18.09 V	5.53 A	21.35 V	6.02 A	12.33	
GRE0110P	3	12V / 110Wp	1206×671×35mm		36	110 Wp	18.13 V	6.07 A	21.43 V	6.60 A	13.56	
GRE0120P	3	12V / 120Wp	1496×671×35mm	12.5	36	120 Wp	18.14 V	6.62 A	21.45 V	7.08 A	13.80	
GRE0125P	3	12V / 125Wp	1496×671×35mm		36	125 Wp	18.15 V	6.89 A	21.46 V	7.37 A	12.45	
GRE0130P	3	12V / 130Wp	1496×671×35mm		36	130 Wp	18.16 V	7.16 A	21.48 V	8.18 A	12.95	
GRE0135P	3	12V / 135Wp	1496×671×35mm		36	135 Wp	18.16 V	7.44 A	21.52 V	8.34 A	13.43	
GRE0140P	3	12V / 140Wp	1496×671×35mm		36	140 Wp	18.18 V	7.71 A	21.56 V	8.63 A	13.94	
GRE0145P	3	12V / 145Wp	1496×671×35mm		36	145 Wp	18.20 V	7.97 A	21.60 V	8.68 A	14.42	
GRE0150P	3	12V / 150Wp	1496×671×35mm		36	150 Wp	18.40 V	8.16 A	21.75 V	9.30 A	14.94	
GRE0160P	2	24V / 160Wp	1336×996×45mm		15.8	72	160 Wp	35.20 V	4.55 A	43.24 V	5.19 A	12.03
GRE0175P	2	24V / 175Wp	1336×996×45mm	72		175 Wp	35.26 V	4.97 A	43.28 V	5.62 A	13.15	
GRE0180P	2	24V / 180Wp	1336×996×45mm	16.8	72	180 Wp	35.28 V	5.11 A	43.30 V	6.15 A	12.08	
GRE0185P	2	24V / 185Wp	1336×996×45mm		72	185 Wp	36.72 V	5.04 A	44.28 V	5.64 A	13.15	
GRE0200P	2	20V / 200Wp	1336×996×45mm 1496×996×45mm	19.8	60	200 Wp	27.88 V	7.18 A	36.12 V	7.83 A	12.04	
GRE0200P	2	24V / 200Wp	1336×996×45mm 1496×996×45mm		72	200 Wp	36.72 V	5.45 A	44.28 V	6.10 A	12.35	
GRE0220P	2	20V / 220Wp	1640×990×45mm		60	220 Wp	28.68 V	7.68 A	36.80 V	8.26 A	13.24	
GRE0230P	2	20V / 230Wp			60	230 Wp	29.08 V	7.91 A	37.15 V	8.34 A	13.84	
GRE0235P	2	20V / 235Wp			60	235 Wp	30.36 V	7.75 A	37.19 V	8.49 A	14.14	
GRE0240P	2	20V / 240Wp			60	240 Wp	30.56 V	7.86 A	37.49 V	8.54 A	14.45	
GRE0250P	2	20V / 250Wp			60	250 Wp	30.96 V	8.08 A	37.92 V	8.62 A	15.05	
GRE0250P	2	24V / 250Wp			72	250 Wp	36.72 V	6.81 A	44.28 V	7.63 A	15.05	
GRE0270P	2	24V / 270Wp			1960×990×45mm	72	270 Wp	36.45 V	7.42 A	44.35 V	8.06 A	13.69
GRE0275P	2	24V / 275Wp				72	275 Wp	35.44 V	7.76 A	45.25 V	8.51 A	13.95
GRE0280P	2	24V / 280Wp	72	280 Wp		36.56 V	7.66 A	44.56 V	8.33 A	14.20		
GRE0290P	2	24V / 290Wp	72	290 Wp		35.89 V	8.09 A	45.50 V	8.64 A	14.71		
GRE0300P	2	24V / 300Wp	72	300 Wp		36.60 V	8.20 A	44.60 V	9.10 A	15.22		

Note : All electrical parameters specified at STC : 25°C, 1000W/m<sup>2</sup> Spectrum irradiance, air mass : 1.5AM.

Type cell : Multi Crystalline Silicon, Power tolerance : +/-3%, Maximum. System Voltage : 1000VDC, UL-600V.

For All Module Up to 25 Year Limited Extended Warranty. I.E. 90% of Rated Power for First 10 Year And 80% of Rated Power for Next 15 Year