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# **EnergyPal**

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

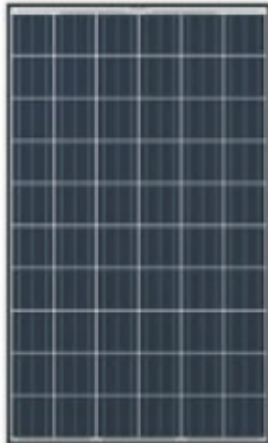
**Grace Renewable Energy Pvt Ltd**

**GRE-255-275-6PB**

**GRE-265-6PB**

Also available on the web at  
[EnergyPal.com/grace-renewable-energy-pvt-ltd-solar-panels/gre-265-6pb](http://EnergyPal.com/grace-renewable-energy-pvt-ltd-solar-panels/gre-265-6pb)

## 255-275w



### Electric Characteristic

	GRE-255-6PB	GRE-260-6PB	GRE-265-6PB	GRE-270-6PB	GRE-275-6PB	UNIT
Rated Power at STC (Pump)	255	260	265	270	275	W
Power Tolerance	(0,+4.99)	(0,+4.99)	(0,+4.99)	(0,+4.99)	(0,+4.99)	W
Maximum Power at STC	259.99	264.99	269.99	274.99	279.99	W
Minimum Module Efficiency (nm)	15.7	16.0	16.3	16.6	16.9	%
Open Circuit Voltage (Voc)	38.1	38.2	38.3	38.4	38.5	V
Short Circuit Current (Isc)	8.60	8.67	8.73	8.82	8.88	A
Maximum Power Voltage (Vmp)	31.9	32.1	32.4	32.7	33.0	V
Maximum Power Current (Imp)	8.00	8.10	8.18	8.28	8.34	A
Maximum System Voltage	1000(TUV), 600(UL)					V
Maximum Series Fuse Rating	15					A

### Temperature Characteristics

Pmax Temperature Coefficient	-
Voc Temperature Coefficient	
Isc Temperature Coefficient	
Operating Temperature	
Nominal Operating Cell Temperature (NOCT)	

### Mechanical Specification

External Dimensions	1640 960 45 mm
Weight	19.0kg
Solar Cells	Polycrystalline 156 156 mm (30pcs)
Front Glass	3.2mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP65/IP67
Output Cables	4.0mm <sup>2</sup> , symmetrical lengths 900 mm
Connector	Mol Compatible
Mechanical Load	5400 Pa
Hailstone Impact Test	80km/h for 25mm ice ball

### Packing Configuration

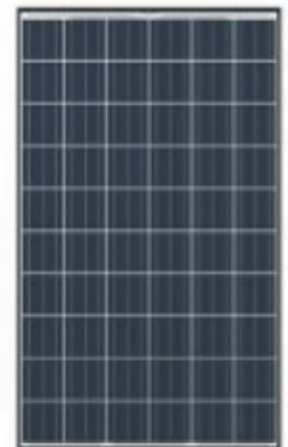
Container	20'GP	40'GP	40'HC
Piecesper	30	30	N.A
Palletsper Container	12	28	N.A
Piecesper Container	360	840	N.A

## GRE-6PA SERIES 6 INCH 72 CELLS

### Electric Characteristic

	GRE-305-6PA	GRE-310-6PA	GRE-315-6PA	GRE-320-6PA	GRE-325-6PA	UNIT
Rated Power at STC (Pump)	305	310	315	320	325	W
Power Tolerance	(0,+4.99)	(0,+4.99)	(0,+4.99)	(0,+4.99)	(0,+4.99)	W
Maximum Power at STC	309.99	314.99	319.99	224.99	329.99	W
Minimum Module Efficiency (nm)	15.7	15.97	16.23	16.49	16.8	%
Open Circuit Voltage (Voc)	45.5	45.7	45.9	46.1	46.3	V
Short Circuit Current (Isc)	8.60	8.60	8.73	8.82	8.88	A
Maximum Power Voltage (Vmp)	38.2	38.4	38.6	38.8	39.0	V
Maximum Power Current (Imp)	7.99	8.08	8.17	8.25	8.34	A
Maximum System Voltage	1000(TUV), 1000(UL)					V
Maximum Series Fuse Rating	15					A

## 305-325w



### Temperature Characteristics

Pmax Temperature Coefficient	-
Voc Temperature Coefficient	
Isc Temperature Coefficient	
Operating Temperature	
Nominal Operating Cell Temperature (NOCT)	

### Mechanical Specification

External Dimensions	1640 960 45 mm
Weight	24.0kg
Solar Cells	Polycrystalline 156 156 mm (72pcs)
Front Glass	3.2mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP65/IP67
Output Cables	4.0mm <sup>2</sup> , symmetrical lengths 900 mm
Connector	Mol Compatible
Mechanical Load	5400 Pa
Hailstone Impact Test	80km/h for 25mm ice ball

### Packing Configuration

Container	20'GP	40'GP	40'HC
Piecesper	26	26	N.A
Palletsper Container	10	22	N.A
Piecesper Container	260	572	N.A

### Certifications and Standards :



## QUALITY MANAGEMENT SYSTEM

- ISO 9001 : Quality management system
- ISO 14001 : Standard for environmental management system
- OHSAS 18001 : International standard for occupational health and safety assessment system