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Solar Panel Guide Specification Data Sheet

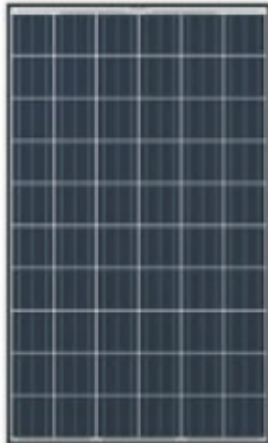
Grace Renewable Energy Pvt Ltd

GRE-255-275-6PB

GRE-255-6PB

Also available on the web at
EnergyPal.com/grace-renewable-energy-pvt-ltd-solar-panels/gre-255-6pb

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 ² , symmetrical lengths 900 mm
Connector	Mol Compatible
Mechanical Load	5400 Pa
Hailstone Impact Test	80km/h for 25mm ice ball

Packing Configuration

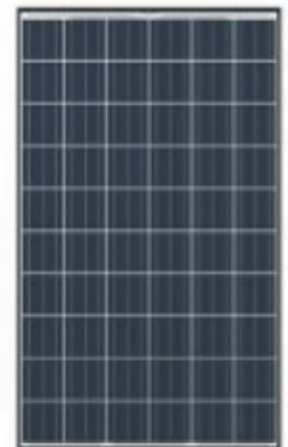
Container	20'GP	40'GP	40'HC
Piecesper	30	30	N.A
Palletsper Container	12	28	N.A
Piecesper Container	360	840	N.A

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 ² , 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