

ReneSola

156 Series Monocrystalline Solar Module

250W, 255W, 260W



High Module Conversion Efficiencies



Easy Installation and Handling



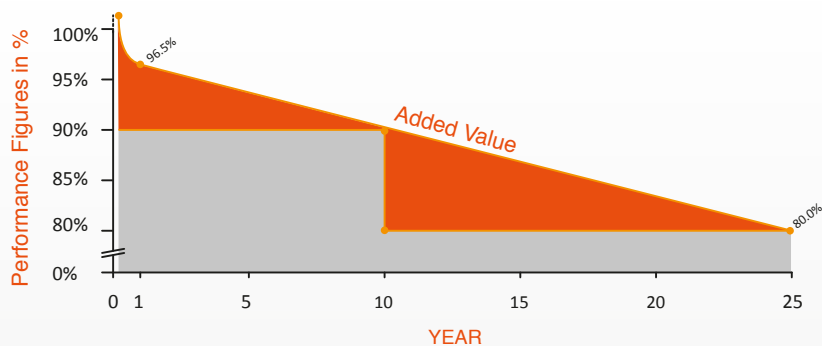
Mechanical Load Capability of up to 5400 Pa



Conforms with IEC 61215:2005,
IEC 61730: 2004, UL 1703 PV Standards



ISO9001, OHSAS18001, ISO14001 Certified



10-year
material & workmanship

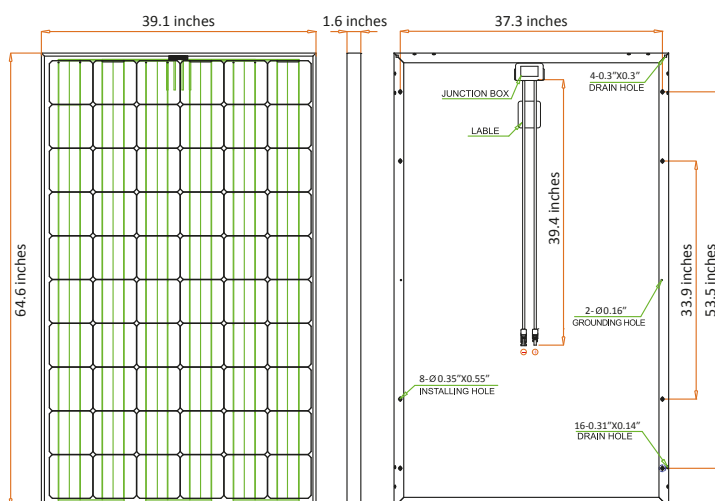
25-year
linear power output



APPROVED PRODUCT

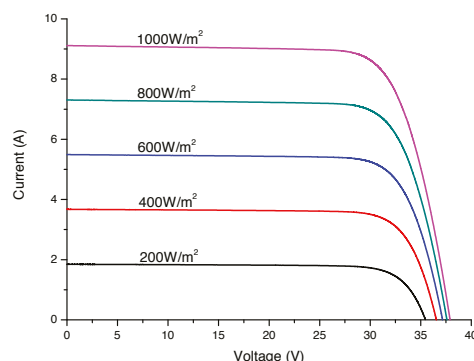


Dimensions



Drawing Only for Reference

I-V Curves



Varied Irradiation Efficiencies

Irradiance	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
Efficiency	15.9%	16.2%	16.2%	16.1%	16.0%

Electrical Characteristics STC

	JC250S-24/Bb	JC255S-24/Bb	JC260S-24/Bb
Maximum Power (Pmax)	250 W	255 W	260 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	15.4%	15.7%	16.0%
Maximum Power Current (Imp)	8.32 A	8.44 A	8.55 A
Maximum Power Voltage (Vmp)	30.1 V	30.2 V	30.4 V
Short Circuit Current (Isc)	8.87 A	8.99 A	9.10 A
Open Circuit Voltage (Voc)	37.5 V	37.6 V	37.7 V

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT

	JC250S-24/Bb	JC255S-24/Bb	JC260S-24/Bb
Maximum Power (Pmax)	184 W	188 W	191 W
Maximum Power Current (Imp)	6.57 A	6.62 A	6.66 A
Maximum Power Voltage (Vmp)	28.0 V	28.4 V	28.7 V
Short Circuit Current (Isc)	7.15 A	7.21 A	7.28 A
Open Circuit Voltage (Voc)	35.1 V	35.2 V	35.3 V

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

Mechanical Characteristics

Cell Type	6 inches Monocrystalline, 60 (6x10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65/IP67 rated, with bypass diodes
Dimension	*64.6 x 39.1 x 1.6 inches
Output Cable	12 AWG, 39.4 inches
Weight	41.9 lbs
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Isc	0.03%/°C
Temperature Coefficient of Pmax	-0.43%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Packing Information

Container	20' GP	40' GP	40' HQ
Pallets per Container	12	28	28
Pieces per Container	300	700	770

Rev No: JC/TDS/2012.12 *Contact ReneSola for tolerance specification
CAUTION: All rights reserved. Design and specification are subject to change without prior notice.

Maximum Ratings

Operating Temperature	-40°F ~ +185°F
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)

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156 Series Monocrystalline Solar Module

250W, 255W, 260W



High Module Conversion Efficiency



Easy Installation and Handling for Various Applications



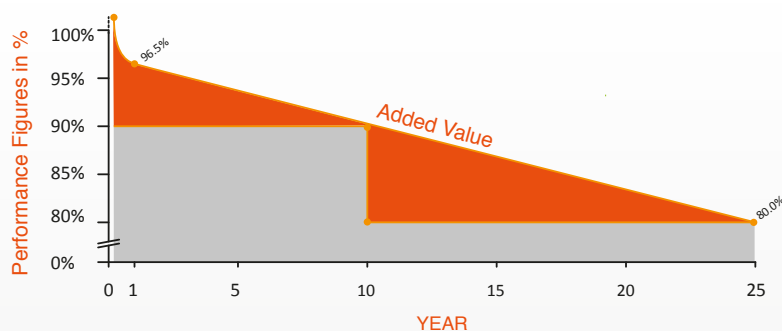
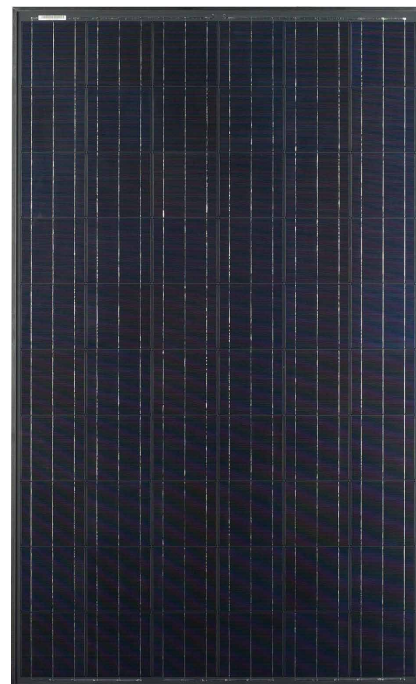
Withstanding Mechanical Load up to 5400 Pa



Conform with PV Standards: IEC 61215:2005,
IEC 61730:2004, UL 1703



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10-year

material & workmanship

25-year

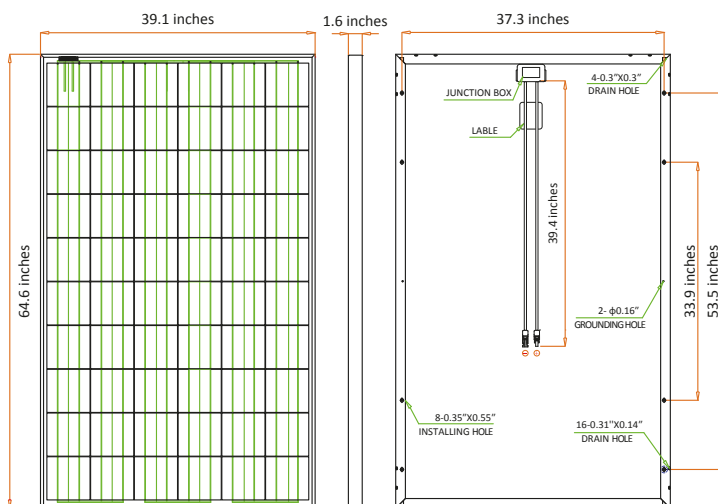
linear power output



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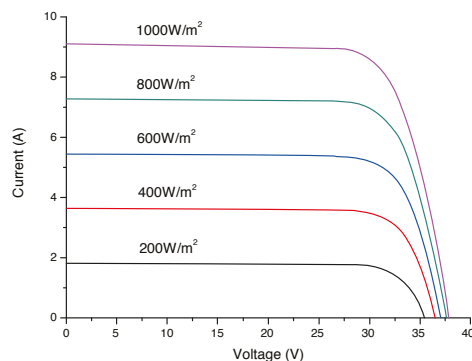


Dimension



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I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m ²	400W/m ²	600W/m ²	800W/m ²	1000W/m ²
Efficiency	15.9%	16.2%	16.2%	16.1%	16.0%

Electrical Characteristics STC

	JC250S-24/Bb-b	JC255S-24/Bb-b	JC260S-24/Bb-b
Maximum Power (P _{max})	250 W	255 W	260 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	15.4%	15.7%	16.0%
Maximum Power Current (I _{mp})	8.32 A	8.44 A	8.55 A
Maximum Power Voltage (V _{mp})	30.1 V	30.2 V	30.4 V
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Open Circuit Voltage (V _{oc})	35.1 V	35.2 V	35.3 V

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

Mechanical Characteristics

Cell Type	156 x156 mm square Monocrystalline, 60 (6x10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65/IP67 rated, with bypass diodes
Dimension	*64.6 x 39.1 x 1.6 inches
Output Cable	12 AWG, 39.4 inches
Weight	41.9 lbs
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of V _{oc}	-0.31%/°C
Temperature Coefficient of I _{sc}	0.03%/°C
Temperature Coefficient of P _{max}	-0.43%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Packing Information

	20' GP	40' GP	40' HQ
Container			
Pallets per Container	12	28	28
Pieces per Container	300	700	770

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Maximum Ratings

Operating Temperature	-40°F ~ +185°F
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)

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260W, 265W, 270W



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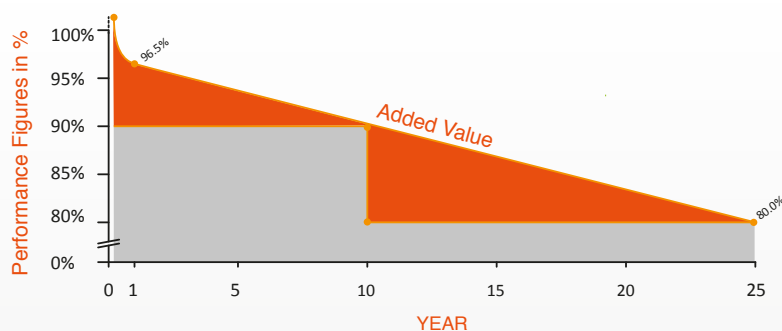
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25-year

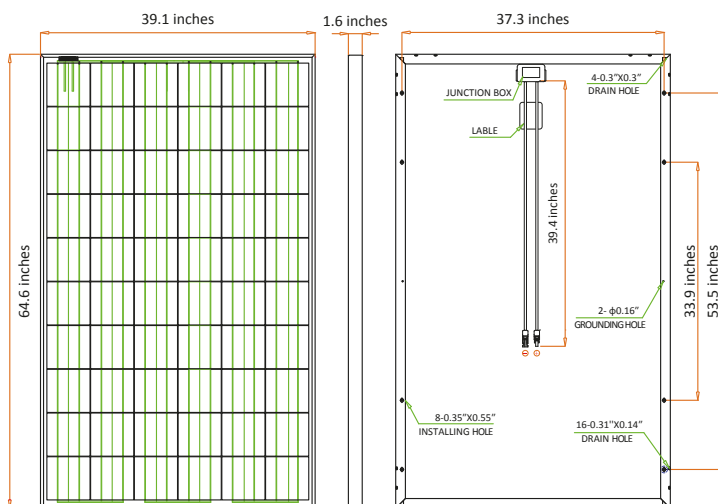
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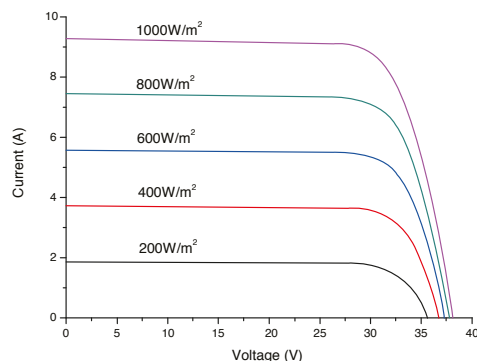


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Efficiency at Varied Irradiation

Irradiance	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
Efficiency	16.6%	16.9%	16.9%	16.8%	16.6%

Electrical Characteristics STC

	JC260S-24/Bb	JC265S-24/Bb	JC270S-24/Bb
Maximum Power (Pmax)	260 W	265 W	270 W
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W
Module Efficiency	16.0%	16.3%	16.6%
Maximum Power Current (Imp)	8.55 A	8.66 A	8.77 A
Maximum Power Voltage (Vmp)	30.4 V	30.6 V	30.8 V
Short Circuit Current (Isc)	9.10 A	9.19 A	9.28 A
Open Circuit Voltage (Voc)	37.7 V	37.9 V	38.1 V

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT

	JC260S-24/Bb	JC265S-24/Bb	JC270S-24/Bb
Maximum Power (Pmax)	191 W	195 W	199 W
Maximum Power Current (Imp)	6.66 A	6.70 A	6.74 A
Maximum Power Voltage (Vmp)	28.7 V	29.1 V	29.5 V
Short Circuit Current (Isc)	7.28 A	7.36 A	7.43 A
Open Circuit Voltage (Voc)	35.3 V	35.4 V	35.5 V

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

Mechanical Characteristics

Cell Type	156 x156 mm square Monocrystalline, 60 (6x10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65/IP67 rated, with bypass diodes
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