ReneSola

156 Series Polycrystalline
Solar Module

235W, 240W, 245W, 250W

Import Sun Pv™

- **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**
- **ISO9001, OHSAS18001, ISO14001**



Guarantee

We provide a 10 years material and workmanship guarantee for our modules. In addition, a 90%-power-output guarantee for 10 years and a 80%-power-output guarantee for 25 years of the modules life are provided.

10-year material & workmanship

10-year 90% power output

25-year 80% power output

APPROVED PRODUCT

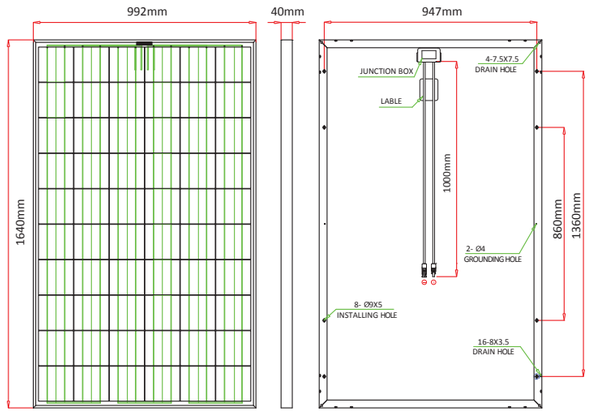
PV CYCLE

ReneSola

156 Series Polycrystalline
Solar Module

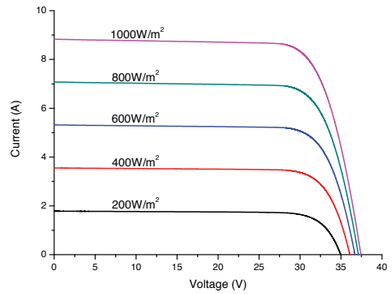
235W, 240W, 245W, 250W

Dimension



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
Efficiency	15.1%	15.4%	15.5%	15.5%	15.4%

Electrical Characteristics STC	JC235M-24/Bb	JC240M-24/Bb	JC245M-24/Bb	JC250M-24/Bb
Maximum Power (Pmax)	235 W	240 W	245 W	250 W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	14.4%	14.8%	15.1%	15.4%
Maximum Power Current (Imp)	8.03 A	8.08 A	8.19 A	8.31 A
Maximum Power Voltage (Vmp)	29.3 V	29.7 V	29.9 V	30.1 V
Short Circuit Current (Isc)	8.58 A	8.64 A	8.73 A	8.83 A
Open Circuit Voltage (Voc)	37.0 V	37.2 V	37.3 V	37.4 V

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

Electrical Characteristics NOCT	JC235M-24/Bb	JC240M-24/Bb	JC245M-24/Bb	JC250M-24/Bb
Maximum Power (Pmax)	174 W	178 W	182 W	185 W
Maximum Power Current (Imp)	6.42 A	6.51 A	6.53 A	6.57 A
Maximum Power Voltage (Vmp)	27.1 V	27.4 V	27.9 V	28.2 V
Short Circuit Current (Isc)	6.92 A	6.97 A	7.04 A	7.12 A
Open Circuit Voltage (Voc)	34.4 V	34.7 V	35.0 V	35.0 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 Polycrystalline, 60 (6x10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 rated, with bypass diodes
Dimension	*1640 x 992 x 40 mm
Cable Length	1000 mm
Weight	19 Kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.40%/°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

Maximum Ratings

Operating Temperature	-40°C to + 85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)

Rev No: JC/TDS/2012.03 *Contact Renesola for tolerance specification

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Import Sun Pv™

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ReneSola

125 Series Monocrystalline
Solar Module

190W, 195W, 200W

Import Sun Pv™

- **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**
- **ISO9001, OHSAS18001, ISO14001**



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10-year material & workmanship

10-year 90% power output

25-year 80% power output

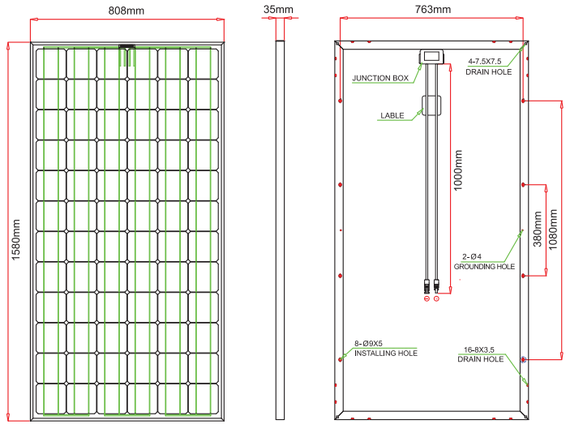
APPROVED PRODUCT

ReneSola

125 Series Monocrystalline
Solar Module

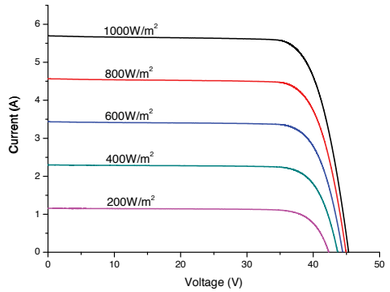
190W, 195W, 200W

Dimension



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
Efficiency	15.4%	15.8%	15.8%	15.8%	15.7%

Electrical Characteristics STC	JC190S-24/Db	JC195S-24/Db	JC200S-24/Db
Maximum Power (Pmax)	190 W	195 W	200 W
Power Tolerance	0~+5W	0~+5W	0~+5W
Module Efficiency	14.9%	15.3%	15.7%
Maximum Power Current (Imp)	5.19 A	5.32 A	5.41 A
Maximum Power Voltage (Vmp)	36.6 V	36.7 V	37.1 V
Short Circuit Current (Isc)	5.49 A	5.61 A	5.70 A
Open Circuit Voltage (Voc)	44.9 V	45.0 V	45.3 V

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

Electrical Characteristics NOCT	JC190S-24/Db	JC195S-24/Db	JC200S-24/Db
Maximum Power (Pmax)	140 W	144 W	147 W
Maximum Power Current (Imp)	4.13 A	4.22 A	4.27 A
Maximum Power Voltage (Vmp)	34.0 V	34.2 V	34.5 V
Short Circuit Current (Isc)	4.42 A	4.52 A	4.60 A
Open Circuit Voltage (Voc)	42.1 V	42.3 V	42.4 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	125 x125 mm Monocrystalline, 72 (6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 rated, with bypass diodes
Dimension	*1580 x 808 x 35 mm
Cable Length	1000 mm
Weight	16 Kg
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	372	868	952

Maximum Ratings

Operating Temperature	-40°C to + 85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	15A (EU) / 10A (US)

Rev No: JC/TDS/2012.04 *Contact Renesola for tolerance specification

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Import Sun Pv™

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ReneSola

156 Series Monocrystalline
Solar Module

245W, 250W, 255W, 260W

Import Sun Pv™

- **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**
- **ISO9001, OHSAS18001, ISO14001**



Guarantee

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APPROVED PRODUCT

10-year material & workmanship

10-year 90% power output

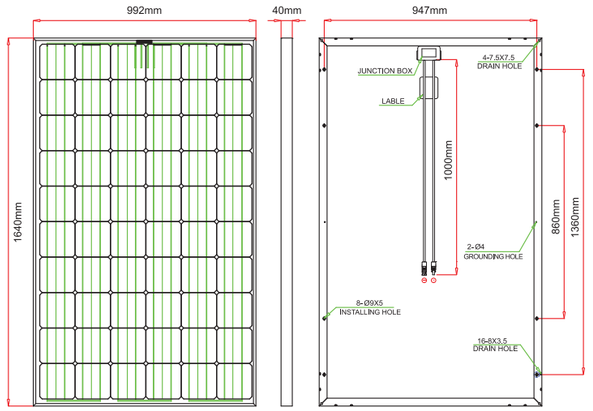
25-year 80% power output

ReneSola

156 Series Monocrystalline
Solar Module

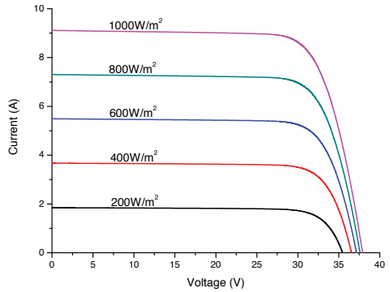
245W, 250W, 255W, 260W

Dimension



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

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	JC245S-24/Bb	JC250S-24/Bb	JC255S-24/Bb	JC260S-24/Bb
Maximum Power (Pmax)	245 W	250 W	255 W	260 W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	15.1%	15.4%	15.7%	16.0%
Maximum Power Current (Imp)	8.19 A	8.32 A	8.44 A	8.55 A
Maximum Power Voltage (Vmp)	30.0 V	30.1 V	30.2 V	30.4 V
Short Circuit Current (Isc)	8.79 A	8.87 A	8.99 A	9.10 A
Open Circuit Voltage (Voc)	37.4 V	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	JC245S-24/Bb	JC250S-24/Bb	JC255S-24/Bb	JC260S-24/Bb
Maximum Power (Pmax)	180 W	184 W	188 W	191 W
Maximum Power Current (Imp)	6.51 A	6.57 A	6.62 A	6.66 A
Maximum Power Voltage (Vmp)	27.7 V	28.0 V	28.4 V	28.7 V
Short Circuit Current (Isc)	7.08 A	7.15 A	7.21 A	7.28 A
Open Circuit Voltage (Voc)	35.0 V	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 Monocrystalline, 60 (6x10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 rated, with bypass diodes
Dimension	*1640 x 992 x 40 mm
Cable Length	1000 mm
Weight	19 Kg
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

Maximum Ratings

Operating Temperature	-40°C to + 85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)

Rev No: JC/TDS/2012.03 *Contact Renesola for tolerance specification

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Import Sun Pv™

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ReneSola

156 Series Polycrystalline
Solar Module

285W, 290W, 295W, 300W

Import Sun Pv™

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

ISO9001, OHSAS18001, ISO14001



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10-year material & workmanship

10-year 90% power output

25-year 80% power output

APPROVED PRODUCT

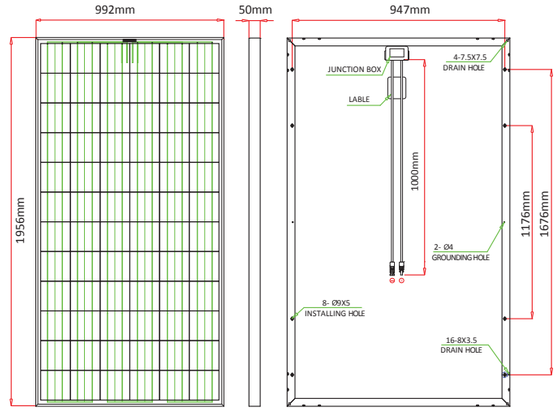
PV CYCLE

ReneSola

156 Series Polycrystalline
Solar Module

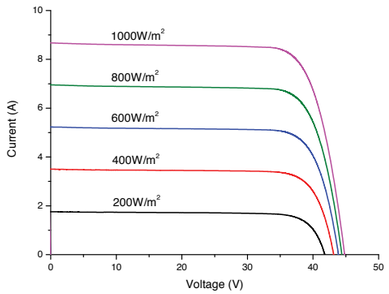
285W, 290W, 295W, 300W

Dimension



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
Efficiency	15.1%	15.5%	15.6%	15.6%	15.5%

Electrical Characteristics STC	JC285M-24/Ab	JC290M-24/Ab	JC295M-24/Ab	JC300M-24/Ab
Maximum Power (Pmax)	285 W	290 W	295 W	300 W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	14.7%	14.9%	15.2%	15.5%
Maximum Power Current (Imp)	8.00 A	8.08 A	8.13 A	8.20 A
Maximum Power Voltage (Vmp)	35.7 V	35.9 V	36.3 V	36.6 V
Short Circuit Current (Isc)	8.48 A	8.56 A	8.62 A	8.69 A
Open Circuit Voltage (Voc)	44.5 V	44.6 V	44.7 V	44.8 V

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

Electrical Characteristics NOCT	JC285M-24/Ab	JC290M-24/Ab	JC295M-24/Ab	JC300M-24/Ab
Maximum Power (Pmax)	211 W	215 W	219 W	222 W
Maximum Power Current (Imp)	6.46 A	6.52 A	6.57 A	6.67 A
Maximum Power Voltage (Vmp)	32.7 V	33.0 V	33.3 V	33.4 V
Short Circuit Current (Isc)	6.84 A	6.91 A	6.96 A	7.02 A
Open Circuit Voltage (Voc)	41.6 V	41.7 V	41.8 V	41.9 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 Polycrystalline, 72 (6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 rated, with bypass diodes
Dimension	*1956 x 992 x 50 mm
Cable Length	1000 mm
Weight	29 Kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.40%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C

Packing Information

Container	20' GP	40' GP	40' HQ
Pallets per Container	10	24	24
Pieces per Container	200	480	528

Maximum Ratings

Operating Temperature	-40°C to + 85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)

Rev No: JC/TDS/2012.03 *Contact Renesola for tolerance specification

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Import Sun Pv™

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ReneSola

Virtus Module

290W, 295W, 300W, 305W

Import Sun Pv™

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- **Easy Installation and Handling for Various Applications**
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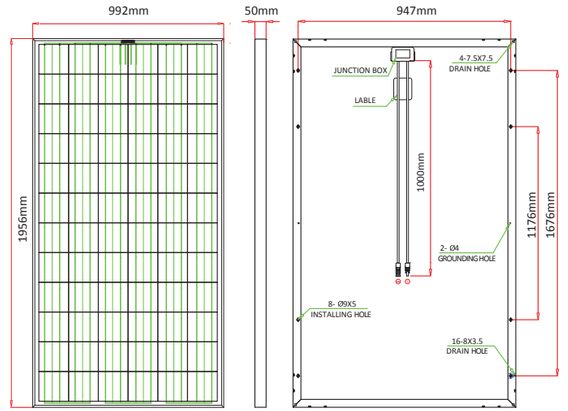
APPROVED PRODUCT

ReneSola

Virtus Module

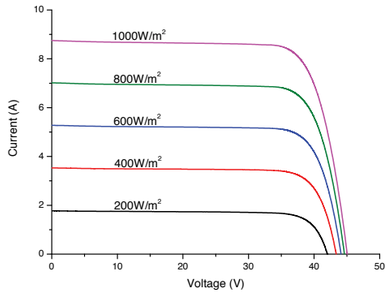
290W, 295W, 300W, 305W

Dimension



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
Efficiency	15.4%	15.7%	15.8%	15.8%	15.7%

Electrical Characteristics STC	JC290M-24/Abv	JC295M-24/Abv	JC300M-24/Abv	JC305M-24/Abv
Maximum Power (Pmax)	290 W	295 W	300 W	305 W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	14.9%	15.2%	15.5%	15.7%
Maximum Power Current (Imp)	8.06 A	8.09 A	8.16 A	8.23 A
Maximum Power Voltage (Vmp)	36.1 V	36.5 V	36.8 V	37.1 V
Short Circuit Current (Isc)	8.57A	8.60 A	8.67 A	8.75 A
Open Circuit Voltage (Voc)	44.4 V	44.7 V	44.8 V	44.9 V

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

Electrical Characteristics NOCT	JC290M-24/Abv	JC295M-24/Abv	JC300M-24/Abv	JC305M-24/Abv
Maximum Power (Pmax)	215 W	219 W	223 W	226 W
Maximum Power Current (Imp)	6.52 A	6.58 A	6.66 A	6.72 A
Maximum Power Voltage (Vmp)	33.1 V	33.3 V	33.5 V	33.6 V
Short Circuit Current (Isc)	6.93 A	6.96 A	7.01 A	7.06 A
Open Circuit Voltage (Voc)	41.5 V	41.7 V	41.9 V	42.0 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 Virtus, 72 (6x12) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 rated, with bypass diodes
Dimension	*1956 x 992 x 50 mm
Cable Length	1000 mm
Weight	29 Kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Nominal Operating Cell Temperature (NOCT)	45°C ±2°C

Packing Information

Container	20' GP	40' GP	40' HQ
Pallets per Container	10	24	24
Pieces per Container	200	480	528

Maximum Ratings

Operating Temperature	-40°C to + 85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)

Rev No: JC/TDS/2012.03 *Contact Renesola for tolerance specification

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APPROVED PRODUCT

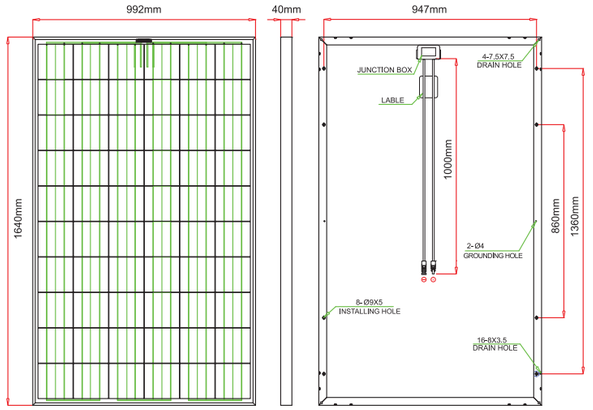
PV CYCLE

ReneSola

Virtus Module

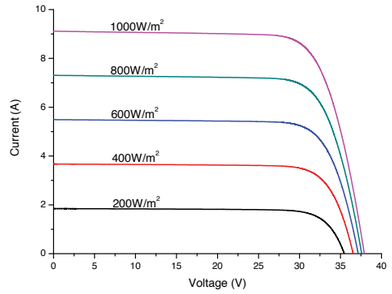
245W, 250W, 255W, 260W

Dimension



Drawing Only for Reference

I-V Curves



Efficiency at Varied Irradiation

Irradiance	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
Efficiency	15.7%	16.0%	16.1%	16.1%	16.0%

Electrical Characteristics STC	JC245M-24/Bbv	JC250M-24/Bbv	JC255M-24/Bbv	JC260M-24/Bbv
Maximum Power (Pmax)	245 W	250 W	255 W	260 W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	15.1%	15.4%	15.7%	16.0%
Maximum Power Current (Imp)	8.19 A	8.29 A	8.43 A	8.56 A
Maximum Power Voltage (Vmp)	29.9V	30.2 V	30.3V	30.4 V
Short Circuit Current (Isc)	8.74 A	8.84 A	8.98 A	9.09 A
Open Circuit Voltage (Voc)	37.1 V	37.3 V	37.4 V	37.6 V

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

Electrical Characteristics NOCT	JC245M-24/Bbv	JC250M-24/Bbv	JC255M-24/Bbv	JC260M-24/Bbv
Maximum Power (Pmax)	182 W	186 W	189 W	193 W
Maximum Power Current (Imp)	6.51 A	6.59 A	6.69 A	6.77 A
Maximum Power Voltage (Vmp)	28.0 V	28.2 V	28.2 V	28.5 V
Short Circuit Current (Isc)	7.07 A	7.13 A	7.20 A	7.27 A
Open Circuit Voltage (Voc)	34.9 V	35.0 V	35.0 V	35.2 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 Virtus, 60 (6x10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65 rated, with bypass diodes
Dimension	*1640 x 992 x 40 mm
Cable Length	1000 mm
Weight	19 Kg
Installation Hole Location	See Drawing Above

Characteristics

Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.39%/°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

Maximum Ratings

Operating Temperature	-40°C to + 85°C
Maximum System Voltage	1000VDC (EU) / 600VDC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)

Rev No: JC/TDS/2012.03 *Contact Renesola for tolerance specification

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