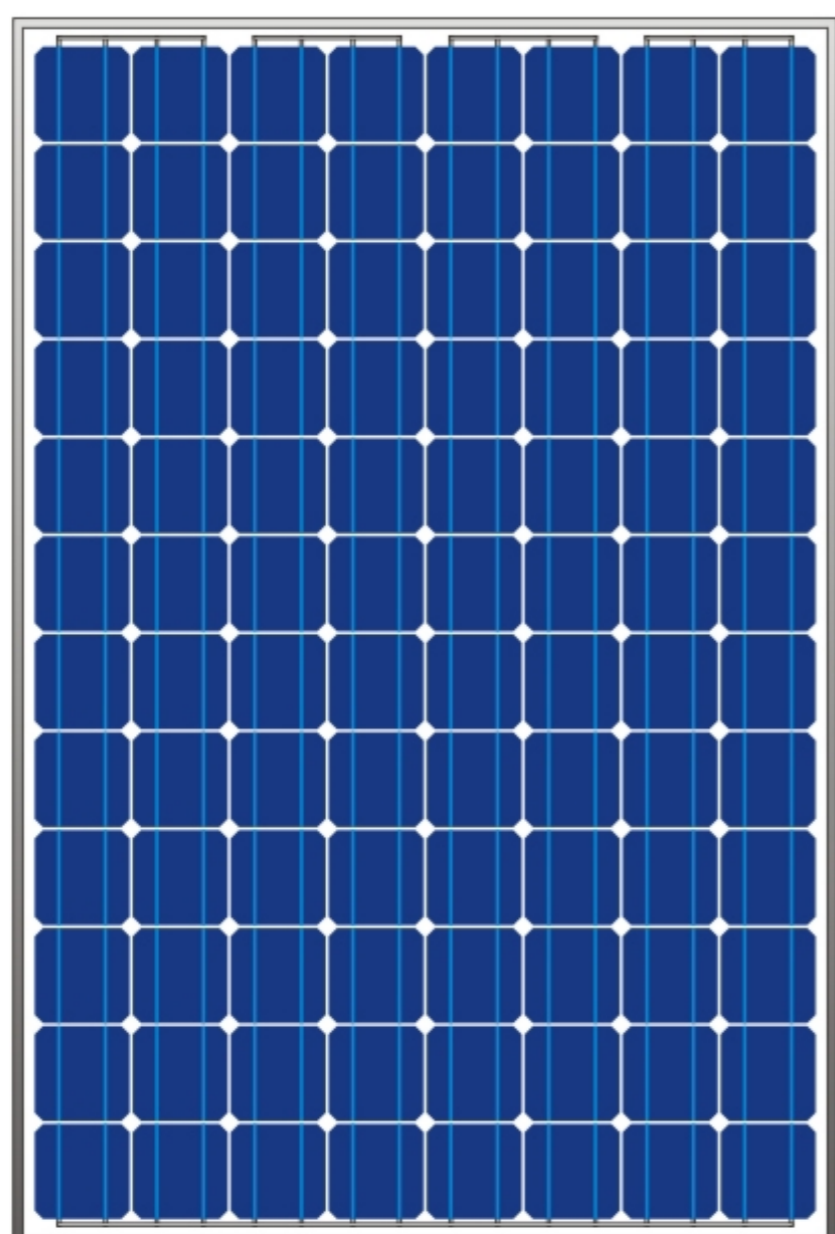


RYW250M-32 SOLAR PHOTOVOLTAIC MODULE



MODULE CHARACTERISTICS

- High efficiency crystalline silicon solar cells from TOP Brand supplier.
- High transmission low iron tempered glass, strong mechanical resistance.
- Standard waterproof junction box, with bypass diode.
- High endurance to different atrocious weather.
- 5-year limited product warranty
- Limited performance warranty:
10years at 90% of the minimal rated power output, 25years at 80% of the minimal rated power output

Mechanical Characteristics

Solar Cell	Monocrystalline 125 × 125 mm
No. of Cells	96 (8 × 12)
Dimensions	1580 × 1060 × 50mm
Weight	18.0 kgs
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated
Output Cables	UL 4703, TUV (2Pfg1169:2007) 4.0 mm ² symmetrical
Connectors	H4 connectors (MC4 compatible)

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax <small>Specifications are subject to change without further notification</small>	-0.44 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.055 %/°C

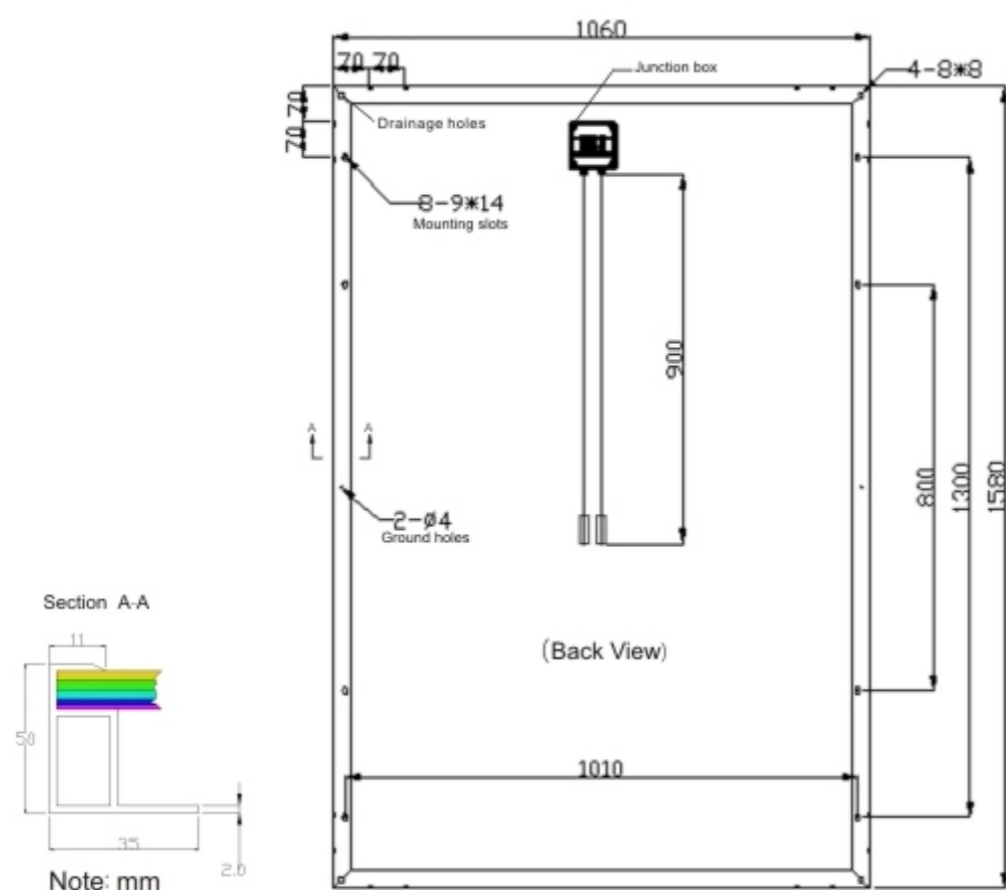
NOCT: Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s;

Packing Configuration

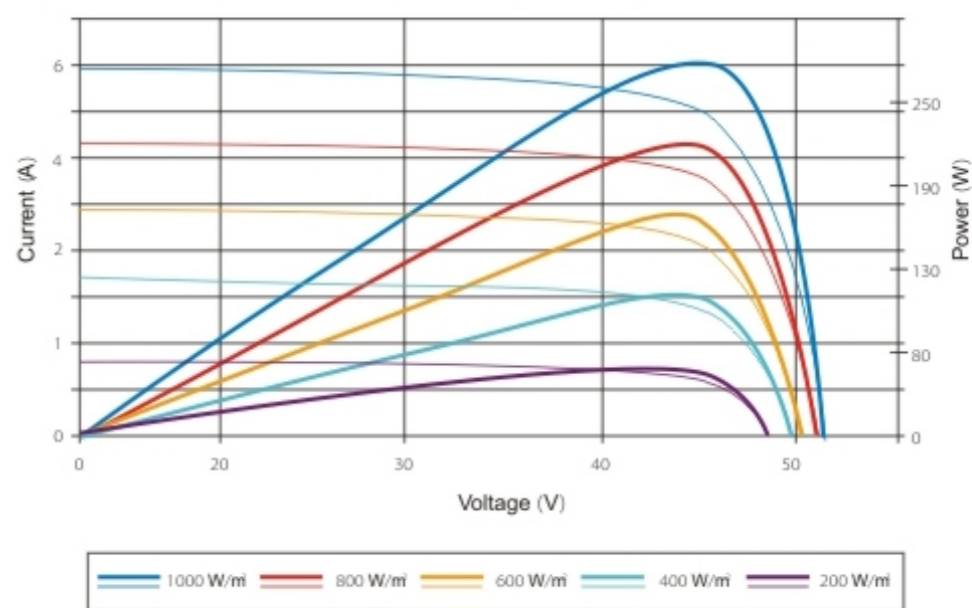
Container	20' GP	40' HC
Pieces per pallet	20	20
Pallets per container	12	28
Pieces per container	240	560

Zhejiang Riyuewang Solar Technology Co.,Ltd
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Current-Voltage & Power-Voltage Curve (250M-32)



Electrical Characteristics

STC	RYW210M-32	RYW215M-32	RYW220M-32	RYW225M-32	RYW230M-32	RYW235M-32	RYW240M-32	RYW245M-32	RYW250M-32
Optimum Operating Voltage (Vmp)	46.5 V	46.6 V	46.5 V	46.6 V	46.6 V	47.0 V	47.2 V	47.3 V	47.5 V
Optimum Operating Current (Imp)	4.51 A	4.61 A	4.73 A	4.82 A	4.93 A	5.0 A	5.08 A	5.17 A	5.26 A
Open - Circuit Voltage (Voc)	54.3 V	54.3 V	54.2 V	54.4 V	54.5 V	55.4 V	55.6V	55.8 V	55.9 V
Short - Circuit Current (Isc)	5.22A	5.35 A	5.48A	5.58 A	5.70A	5.73 A	5.83 A	5.93 A	6.04 A
Maximum Power at STC (Pmax)	210 W	215 W	220W	225 W	230 W	235 W	240 W	245 W	250 W
Module Efficiency	12.5%	12.8%	13.1%	13.4%	13.7%	14.0%	14.3%	14.6%	15%
Operating Module Temperature	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC
Maximum Series Fuse Rating	15A	15A	15A	15A	15A	15A	15A	15A	15A
Power Tolerance	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;
Power measurement tolerance: ±3%

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