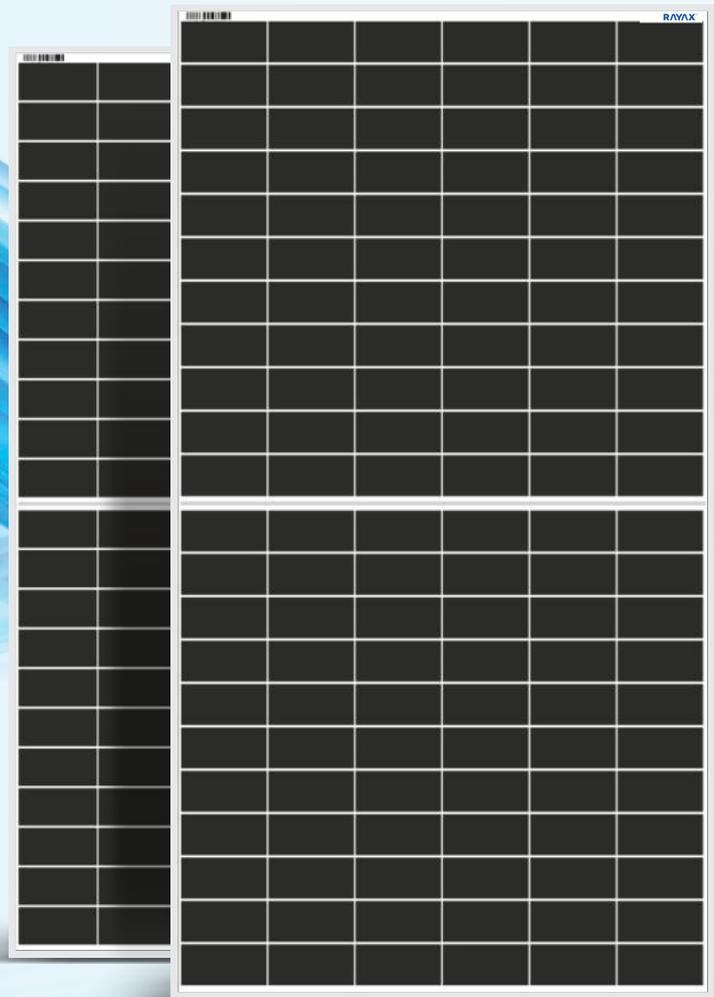


RAYAX™

The Rays Of Power

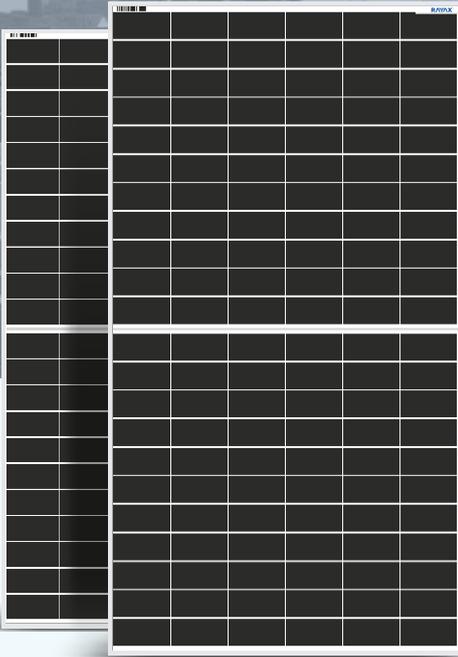
650Wp RBC Solar Panel



Toll Free Number: 1800-5475-600

✉ Info@rayaxenergy.com

🌐 www.rayaxenergy.com



RAYAX 650Wp | RBC



650 Wp
Maximum Output Power



24.20%
Upto Efficiency



0+5 Wp
Power Tolerance

MORE POWER



Module power up to 650 W
Module efficiency up to 24.20%



Excellent anti-LeTID & anti-PID performance. Low power degradation, high energy yield



Lower temperature coefficient (Pmax): -0.24%/°C, increases energy yield in hot climate



Lower LCOE & system cost

MORE RELIABLE



Tested up to ice ball of 35 mm diameter according to IEC 61215 standard



Minimizes micro-crack impacts



Heavy snow load up to 5400 Pa, wind load up to 2400 Pa*



Enhanced Product Warranty on Materials and Workmanship*



Linear Power Performance Warranty*

1st year power degradation no more than 1% Subsequent annual power degradation no more than 0.3%

*According to the applicable Rayax Energy Private Limited Warranty Statement.

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001: 2015 / Quality management system

ISO 14001: 2015 / Standards for environmental management system

ISO 45001: 2018 / International standards for occupational health & safety

PRODUCT CERTIFICATES*

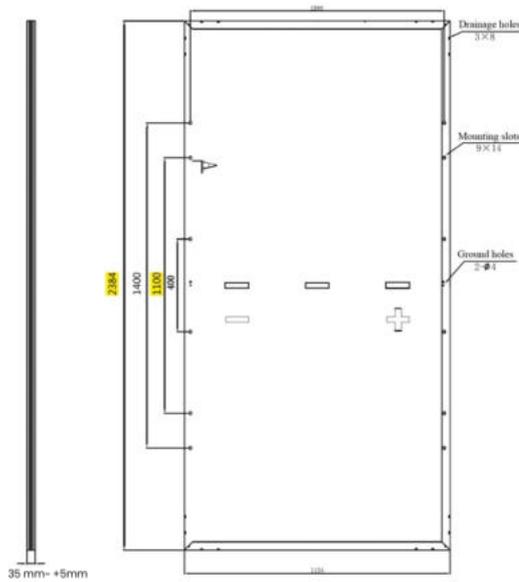
IEC 61215 / IEC 61730 / CE / BIS / ISO



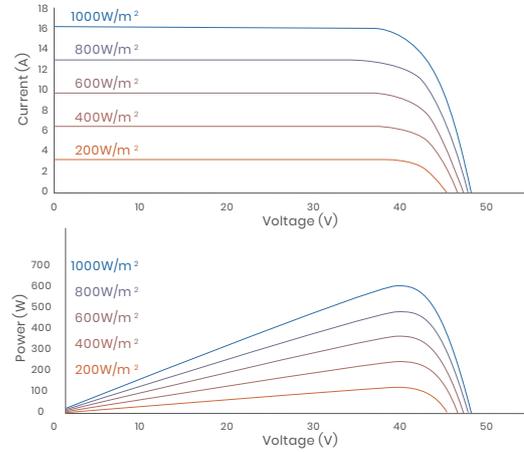
* The specific certificates applicable to different module types and markets will vary, and therefore not all of the certifications listed here in will simultaneously apply to the products you order or use. Please contact your local Rayax Solar sales representative to confirm the specific certificates available for your Product and applicable in the regions in which the products will be used.

* For detailed information, please refer to the Installation Manual.

ENGINEERING DRAWING (mm)



I-V Curve



ELECTRICAL DATA | STC*

Peak Power	650
Maximum Power Voltage	46.92
Maximum Power Current	13.87
Open Circuit Voltage	53.28
Short Circuit Current	14.92
Module Efficiency	24.20
Power Tolerance	0+5W

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL DATA

Operating Temperature	-40°C ~ +85°C
Max. System Voltage	1500 V (IEC/UL)
Max. Series Fuse Rating	30 A
Protection Class	Class II
Power Tolerance	0 ~ + 2%
Power Bifaciality*	95 %

ELECTRICAL DATA | NOTC*

Peak Power	490
Maximum Power Voltage	44.68
Maximum Power Current	10.97
Open Circuit Voltage	50.62
Short Circuit Current	11.87
Module Efficiency	22.64
Power Tolerance	0+5W

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA Specification

Cell Arrangement	144 [(2x 72)]
Dimensions	2383x 1134x 35 mm +5mm
Weight	32.3 kg +/-5
Glass	Tempered glass
Frame	Anodized aluminium alloy
Junction-Box	IP68
Cable	4.0 mm ²
Connector	MC4
Per Pallet	31/36 pieces

* For detailed information, please contact your local Rayax Solar sales and technical representatives.

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.24% / °C
Temperature Coefficient (Voc)	-0.22% / °C
Temperature Coefficient (Isc)	+0.04% / °C
Nominal Module Operating Temperature	~45°C±2°C

PARTNER SECTION



Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

*Installation instruction must be followed. See the installation manual or contact our technical service department for further information on approved installation.

*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Rayax Energy Private Limited Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described here in.

RAYAX™

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