










Solar Modules MONO 390W - 400W

SPARKLE

PRODUCT | KEY FEATURES

- 
AR Coated Tempered Glass
Anti-Reflective Module Surface
- 
Excellent Module Efficiency
- 
Positive Power Tolerance
Up to 5W
- 
100% Pre and Post EL Inspection
- 
IP68 Junction Box
for Long Term Endurance
- 
Ensure safety parameters
through Safety test
- 
Quality and Reliability assurance
in standard weather condition



THE INDUSTRY'S BENCHMARK

Rayzon Green Energies is an internationally renowned leading solar energy cost effective befitting solutions provider having core competency in high efficiency PV module manufacturing and providing wide range EPC solutions. Our PV modules are the best in class in terms of power output and long-term reliability.

PRODUCT CERTIFICATES



MADE IN INDIA

- 
Industry leading linear power
output warranty*
- 
Product warranty on
materials and workmanship

TECHNICAL DATA

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m², spectrum AM 1.5G and cell temperature of 25°C.)

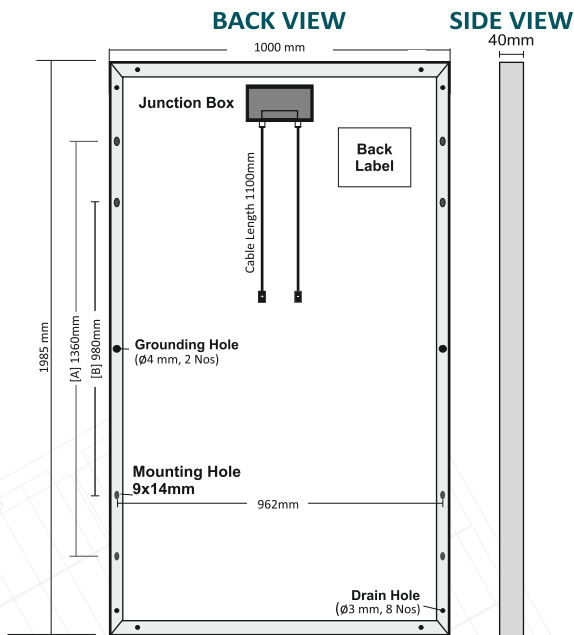
Nominal Maximum Power (Pmax)	390W	395W	400W
Optimum Operating Voltage (Vmp)	40.54	40.93	41.18
Optimum Operating Current (Imp)	9.63	9.66	9.73
Open Circuit Voltage (Voc)	48.59	48.81	49.03
Short Circuit Current (Isc)	10.06	10.10	10.16
Module Eff(%)	19.67	19.92	20.19

PERFORMANCE UNDER NOCT (NOCT irradiances of 800 W/m², ambient temperature of 20°C, Wind speed 1m/sec)

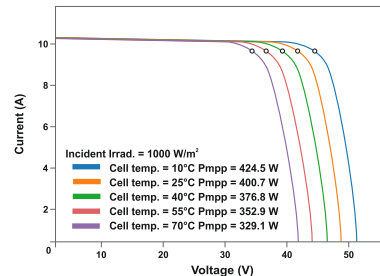
Maximum Power (Pmax)	283.24	286.85	290.71
Optimum Operating Voltage (Vmp)	36.98	37.34	37.57
Optimum Operating Current (Imp)	7.66	7.68	7.74
Open Circuit Voltage (Voc)	44.85	45.05	45.25
Short Circuit Current (Isc)	8.07	8.10	8.15

Mechanical Specifications

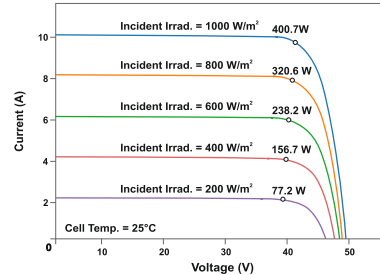
Dimensions (L x W x T in mm)	1985 x 1000 x 40
Weight(kg)	21.60
No Of Cells	72 [12x6]
Frame	Anodized Aluminum Alloy (6063, Temper T5, Silver Color)
Front Cover	Low Iron Tempered Glass (3.2 mm thick)
Encapsulant	Ethylene-vinyl Acetate (EVA) - PID free and UV resistant
Back Sheet	Fluoro-polymer based composite film
Junction Box	4 terminal Junction Box (IP68) with 3 bypass diode
Application Class Rating	Class A
Safety Class Rating	Class II
Mechanical Load Test (as per IEC & UL)	5400 Pa-Front; 2400 Pa-Back
Mounting Holes Pitch (Y)-mm	[A] 1360, [B] 980
Mounting Holes Pitch (X)-mm	962



IV Curve Variation with Temperature



IV Curve Variation with Irradiance



*All dimensions are in mm with +/-1% tolerance.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	20A

TEMPERATURE COEFFICIENTS

Current α(Isc) :	0.021%/C
Voltage β(Voc) :	-0.291%/C
Power γ(Pmax) :	-0.397%/C

STACKING STANDARD

	19FT	32FT
No. of Modules	270 Nos	486 Nos
No of Pallets	10 Pallets	18 Pallets
Modules per Pallet / Weight	27 Nos / 640 Kgs.	27 Nos / 640 Kgs.
Pallet dimensions	2020*1130*1150	2020*1130*1150

Caution: Please read safety and installation instructions before using the product. ***Warranty:** Linear power warranty for 30 years up to 2.5% for 1st year degradation and 0.67%/year from year 2 to year 30. Please read Rayzon warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. RAYZON GREEN ENERGIES reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.