

RAYZON SOLAR

L'LIOS

405 Wp - 420 Wp

MONO PERC 10BB
MONOFACIAL

30 Years Warranty for
Linear Performance*



12 Years Product Warranty on
Materials and Workmanship*



PRODUCT | CERTIFICATES

IEC: 61215, 61730, 60068, 61701, 62716 •

Quality Management System : ISO 9001:2015 •

Environment Management System : ISO 14001: 2015 •

Occupational Health and Safety : ISO 45001:2018 •



PRODUCT | KEY FEATURES

- Anti-reflective (AR) Coated Glass for Enhanced Power
- Excellent Module Efficiency with reflective backsheet
- Rayzon Solar Module ensures Long-term reliability
- Positive Power Tolerance with Current Binning to Prevent Mismatch Losses

TECHNICAL DATA

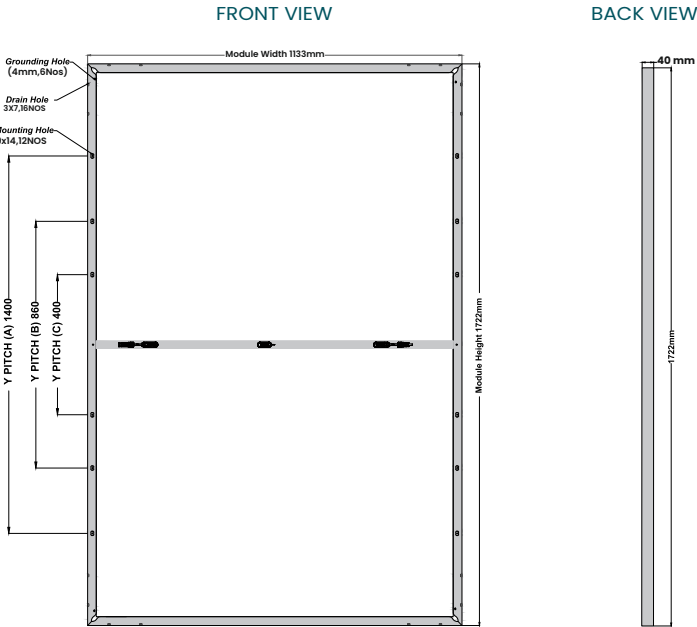
ELECTRICAL PERFORMANCE [Note: Power tolerance: 0 ~ +4.99 W. Power measurement uncertainty: < ±3%.]

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)	RS405WCB	RS410WCB	RS415WCB	RS420WCB
(irradiance of 1000 W/m², spectrum AM 1.5G and cell temperature of 25°C.)				
Maximum Power (Pmax) [W]	405 W	410 W	415 W	420 W
Open-Circuit Voltage (Voc)[V]	31.33 V	31.53 V	31.69 V	31.88 V
Maximum Power Voltage (Vmp) [V]	12.93 A	13.02 A	13.10 A	13.19 A
Short-Circuit Current (Isc)[A]	37.49 V	37.73 V	37.91 V	38.15 V
Maximum Power Current (Imp) [A]	13.43 A	13.52 A	13.59 A	13.68 A
Module Efficiency	20.76 %	21.01 %	21.27 %	21.53 %

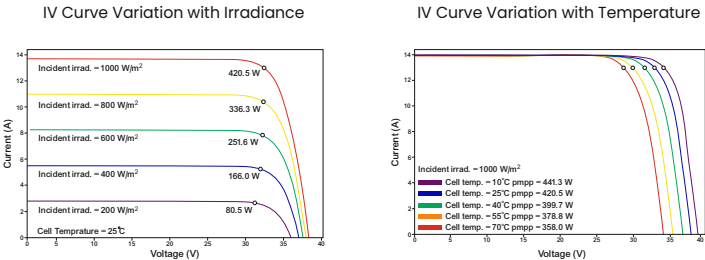
PERFORMANCE UNDER NMOT

(NMOT = 45±2°C irradiance of 800 W/m², ambient temperature of 20°C and Wind speed 1 m/s)

Maximum Power (Pmax) [W]	299 W	303 W	307 W	311 W
Open-Circuit Voltage (Voc)[V]	28.85 V	29.03 V	29.18 V	29.35 V
Maximum Power Voltage (Vmp) [V]	10.39 A	10.46 A	10.53 A	10.60 A
Short-Circuit Current (Isc)[A]	35.26 V	35.49 V	35.65 V	35.88 V
Maximum Power Current (Imp) [A]	10.88 A	10.95 A	11.01 A	11.08 A

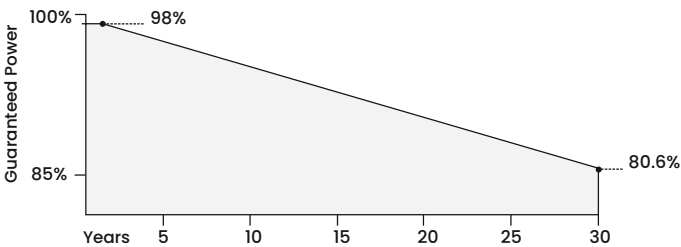


*All dimensions are in mm with +/- 2mm tolerance.



IV Curves for Front-Side Illumination of 420 Wp Panel

LINEAR PERFORMANCE WARRANTY



MECHANICAL SPECIFICATIONS

Dimensions	1722(L) x 1133(W) x 40(T) In mm
Weight(kg)	21.66
Cell type / No Of Cell	108 Half-cut Mono PERC Solar cells
Frame	Anodized Aluminum Alloy (6005, Temper T6, Black colour)
Front Cover	ARC coated Low Iron Tempered Glass (3.2 mm thick)
Encapsulate	PID resistant and UV resistant Polymeric Film
Back Cover	Corona treated PVDF Fluoro-polymer Backsheet (Black colour)
Junction Box	25A Split Junction Box (3 nos. with individual Bypass Diode) – Weatherproof (IP68)
Bypass Diode	40 A, 45 V, 200 °C max. junction temperature
Cable	4 sq. mm, 300 mm length (Customised cable length available on request)
Connectors	MC4 compatible (MC4 original available on request)
Application Class Rating	Class A
Safety Class Rating	Class II
Mechanical Load Test	5400 Pa-Front; 2400 Pa-Back (as per IEC & UL)
Mounting Holes Pitch (Y)-mm	[A] 1400, [B] 860 [C] 400,
Mounting Holes Pitch (X)-mm	1095

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	25 A

TEMPERATURE COEFFICIENTS

Current α (Isc) :	0.0297% /°C
Voltage β (Voc) :	-0.2470% /°C
Power γ (Pmax) :	-0.3303% /°C

STACKING STANDARD	20FT	40FT
No. of Modules per Container:	186	860
No. of Pallets per Container:	06	26
No. of Modules per Pallet/Weight:	27 Nos/630 Kg	
Pallet Dimensions in mm :	1760(L)*1130(w)*1275(H)	

Caution: Please read safety and installation instructions before using the product. *Warranty: Linear performance warranty for 30 years, with degradation up to 2% in 1st year and 0.6 %/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 continuous innovation in the Product Development and R&D Activities. RAYZON SOLAR LTD. 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.