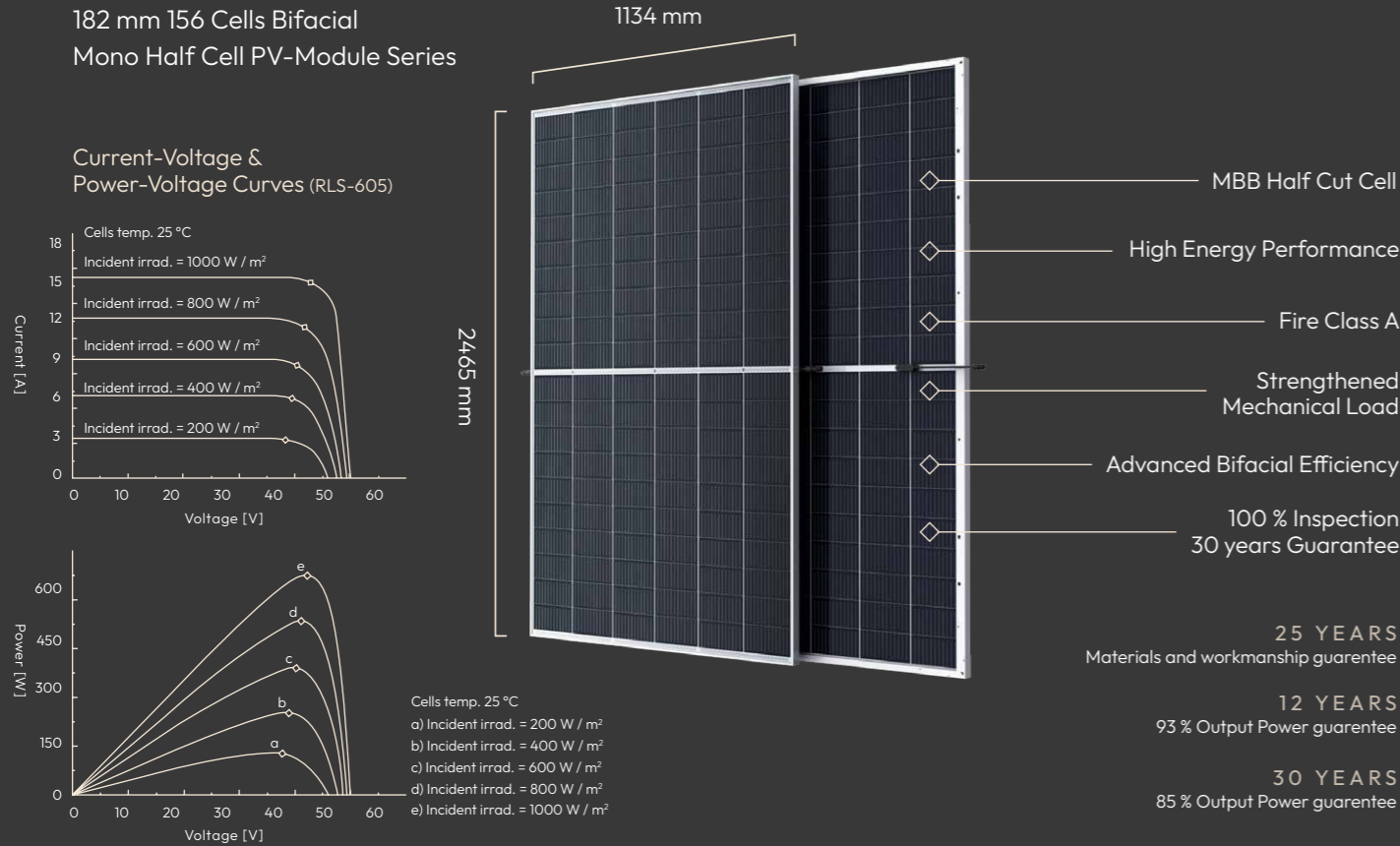




RALOS RLS-605

# RALOS RLS-605

182 mm 156 Cells Bifacial  
Mono Half Cell PV-Module Series



## Electrical Characteristics

Module Type	RLS-605		
	SCT	BSTC	NOCT
Maximum Power - Pmax (W)	605	675	446
Open Circuit Voltage - Voc (V)	54,3	55,7	50,8
Short Circuit Current - Isc (A)	14,15	15,39	11,38
Voltage at Pmax -Vmp (V)	45,4	46,36	42,39
Current at Pmax - Imp (A)	13,32	14,55	10,54
Module Efficiency -ηm (%)	21.84	-	-
Power Tolerance (W)	(0, +4.99 W)		
Maximum System Voltage (V)	1500 Vdc (IEC / UL)		
Maximum Series Fuse Rating (A)	25		

STC : Irradiance 1000W/m<sup>2</sup> , Cell Temperature 25 °C Air Mass 1.5; Best in Class AAA solar simulator used, power measurement uncertainty is within ±3%.

BSTC : Front side irradiation 1000W/m<sup>2</sup>, back side reflection irradiation 135W/m<sup>2</sup>, spectrum AM1.5, ambient temperature 25 °C. Values are based on RETC certified results from a light-soaked module.

NOCT : Irradiance 800W/m<sup>2</sup> , Ambient Temperature 20 °C, Air Mass 1,5, Wind Speed 1 m/s

## Mechanical Specifications

External Dimensions	2465 x 1134 x 35 mm
Weight	31 kg
Solar Cells	HJT Mono crystalline 182 x 91 mm (6 x 26 pcs)
Front Glass	AR Coated 3,2 mm tempered glass
Frame	Anodized aluminium alloy, silver
Junction Box	IP68, 3 bypass diodes
Cable	2200 mm
Output Cables	4.0 mm <sup>2</sup> , 2,2 m (+), 2,2 m (-)
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400 Pa, Rear Side Max. 2400 Pa, 25 mm Hailstone at the speed of 23 m/s

## Temperature Characteristics

Pmax Temperature Coefficient	-0.36 % / °C
Voc Temperature Coefficient	-0.26 % / °C
Isc Temperature Coefficient	-0.04 % / °C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

## Packing Configuration

Container	40'GP
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	620

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