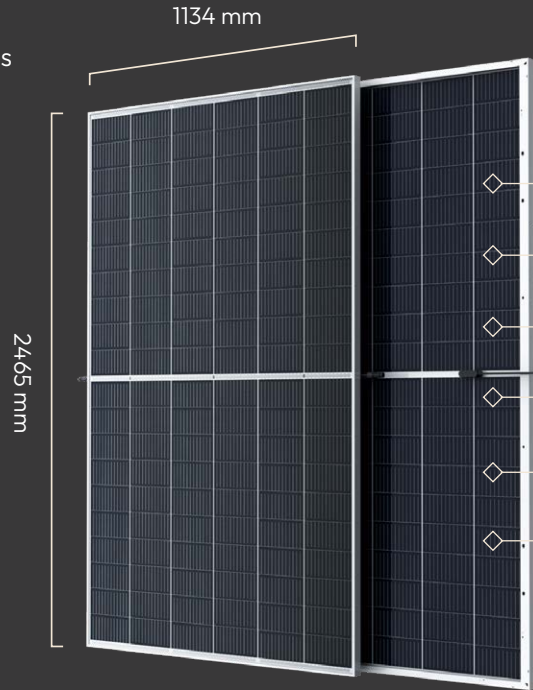




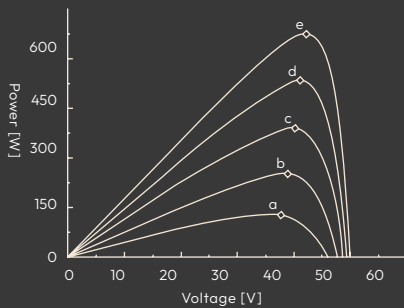
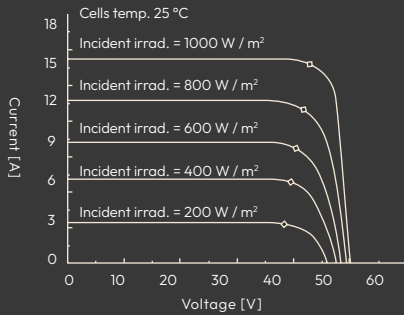
RALOS RLS-605

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



Current-Voltage & Power-Voltage Curves (RLS-605)



Cells temp. 25 °C
 a) Incident irr. = 200 W / m²
 b) Incident irr. = 400 W / m²
 c) Incident irr. = 600 W / m²
 d) Incident irr. = 800 W / m²
 e) Incident irr. = 1000 W / m²

- MBB Half Cut Cell
- High Energy Performance
- Fire Class A
- Strengthened Mechanical Load
- Advanced Bifacial Efficiency
- 100 % Inspection 30 years Guarantee

25 YEARS
Materials and workmanship guarantee

12 YEARS
93 % Output Power guarantee

30 YEARS
85 % Output Power guarantee

Electrical Characteristics

Module Type	RLS-605		
	STC	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 - η_m (%)	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/m² , 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/m², back side reflection irradiation 135W/m², spectrum AM1.5, ambient temperature 25 °C. Values are based on RETC certified results from a light-soaked module.

NOCT : Irradiance 800W/m² , Ambient Temperature 20 °C, Air Mass 1,5, Wind Speed 1 m/s

Mechanical Specifications

External Dimensions	2465 x 1134 x 30 mm
Weight	31 kg
Solar Cells	PERC 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 ² , 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	36
Pallets per Container	20
Pieces per Container	612

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