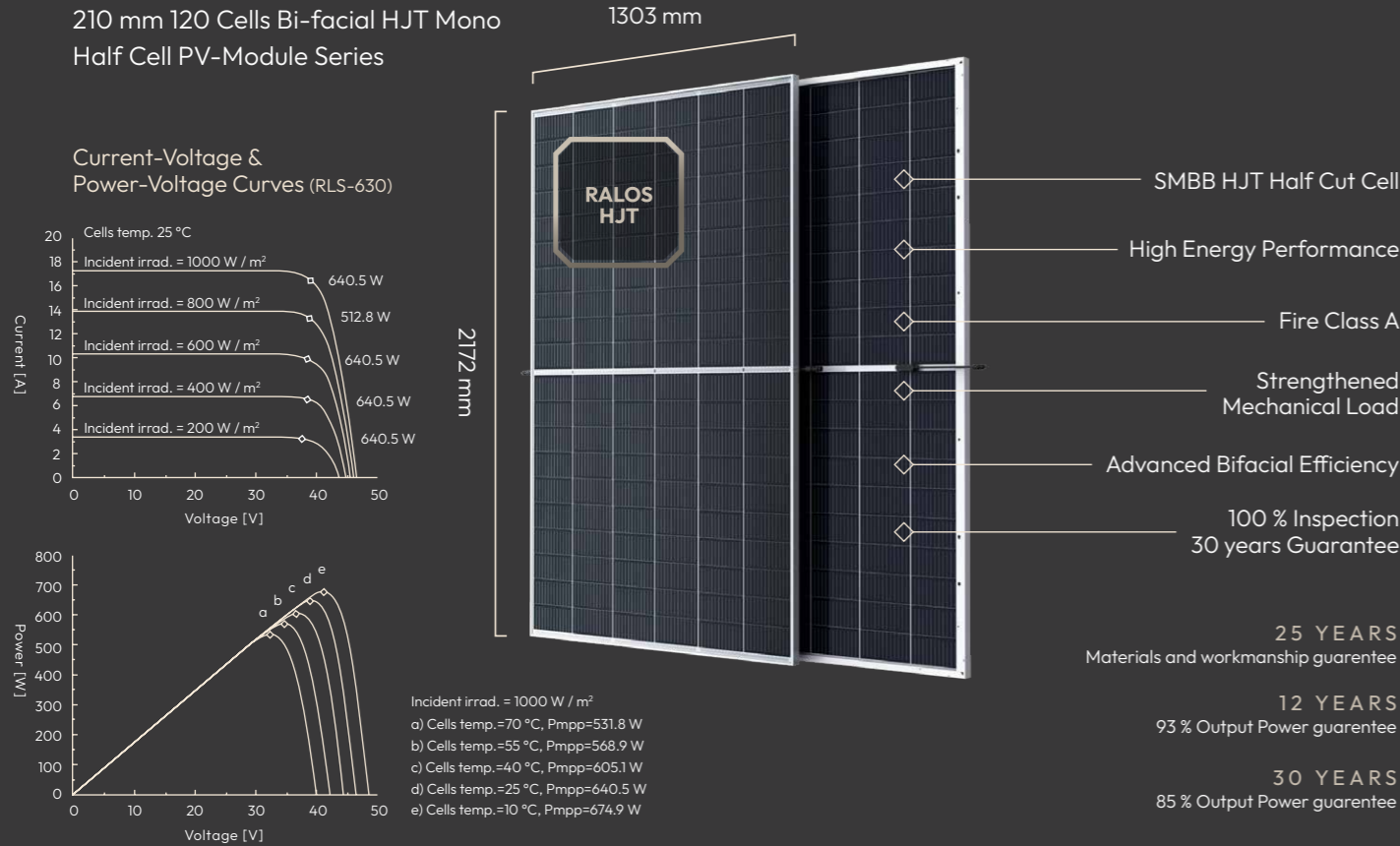




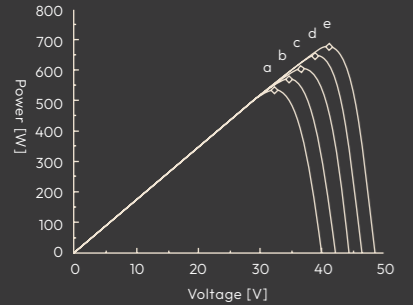
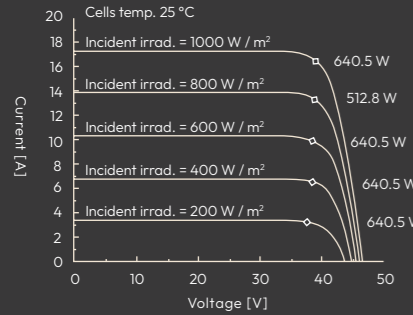
RALOS RLS-630

RALOS RLS-630

210 mm 120 Cells Bi-facial HJT Mono
Half Cell PV-Module Series



Current-Voltage & Power-Voltage Curves (RLS-630)



Electrical Characteristics

Module Type	RLS-630		
	SCT	BSTC	NOCT
Maximum Power - P _{max} (W)	630	695	525
Open Circuit Voltage - Voc (V)	44,64	45,80	42,04
Short Circuit Current - I _{sc} (A)	17,16	18,63	15,16
Voltage at P _{max} - V _{mp} (V)	39,26	40,09	37,06
Current at P _{max} - I _{mp} (A)	16,08	17,35	14,18
Module Efficiency - η _m (%)	22,3	24,5	-
Power Tolerance (W)	(0, +4.99 W)		
Maximum System Voltage (V)	1500Vdc (IEC / UL)		
Maximum Series Fuse Rating (A)	20		

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	2172 x 1303 x 30 mm
Weight	35,5 kg
Solar Cells	120 Half Cut, mono n-Si, HJT
Front Glass	AR Coated 2,0 mm tempered glass, anti-reflective surface
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

P _{max} Temperature Coefficient	-0.259 % / °C
Voc Temperature Coefficient	-0.234 % / °C
I _{sc} Temperature Coefficient	+0.033 % / °C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	43±3 °C

Packing Configuration

Container	40'GP
Pieces per Pallet	36
Pallets per Container	18
Pieces per Container	648

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