

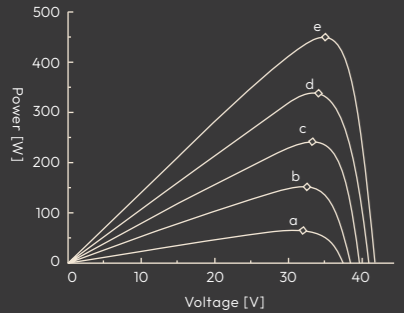
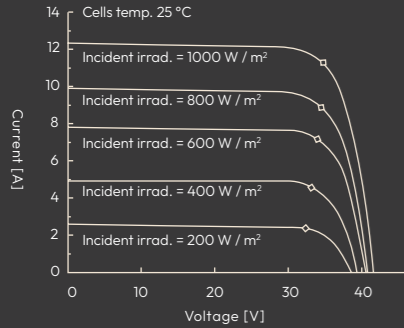


RALOS RLS-525

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182 mm 132 Cells Full Black
TOPCon N type
Mono-crystalline series

Current-Voltage & Power-Voltage Curves (TOPCon RLS-525)



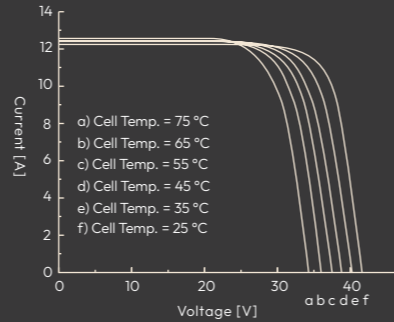
25 YEARS
Materials and workmanship guarantee

12 YEARS
93% Output Power guarantee

30 YEARS
85% Output Power guarantee

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

- ◆ Fire Class A
- ◆ Strong Mechanical Strength
- ◆ PID resistance
- ◆ Multiple busbar and Half cell technique
- ◆ Lower attenuation
- ◆ Harsh environmental adaptation
- ◆ 100 % Inspection
30 years Guarantee



Electrical Characteristics

Module Type	RLS-525		
	SCT	BSTC	NOCT
Maximum Power - Pmax (W)	525	-	395
Open Circuit Voltage - Voc (V)	46,15	-	43,84
Short Circuit Current - Isc (A)	14,19	-	11,45
Voltage at Pmax - Vmp (V)	38,89	-	36,06
Current at Pmax - Imp (A)	13,50	-	10,95
Module Efficiency - ηm (%)	22,10	-	22,10
Power Tolerance (%)	0~+3 %		
Maximum System Voltage (V)	1500 Vdc		
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	2094 x 1134 x 30 mm
Weight	25 kg ±3 %
Solar Cells	N type mono crystalline 182 x 83 mm (6 x 22 pcs)
Front Glass	AR Coated 3,2 mm tempered glass
Frame	Anodized aluminium alloy, black
Junction Box	IP68
Cable	2200 mm
Mechanical Load	Front Side Max. 5400 Pa, Rear Side Max. 2400 Pa
Safety Class	Class II

Temperature Characteristics

Pmax Temperature Coefficient	-0.31 % / °C
Voc Temperature Coefficient	-0.26 % / °C
Isc Temperature Coefficient	+0.046 % / °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	22
Pieces per Container	792

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