

# SOLO<sup>®</sup> Ultra Low Carbon

Ultra Low Carbon footprint,  
Lightweight and truly Circular

**470 ~ 520 Wp**  
Mono PERC - 72 cells

- ✓ Strong and light polymers result in a weight of only 5,5kg/m<sup>2</sup>
- ✓ 25% better carbon footprint than conventional modules
- ✓ Designed for circularity
- ✓ PFAS-free

**25 years**  
Power warranty

**16 years**  
Product warranty

#### Certifications & Quality Standards

IEC 61215/61730  
IEC 62716 (Ammonia)  
IEC 61701 (Salt)  
IEC 60068-2-68 (Sand)  
ISO 9001\*: Quality Management System  
ISO 14001\*: Environmental Management Systems  
ISO 45001\*: Occupational Health and Safety Management Systems \* Pending



# Full specs

## Electrical Characteristics

Module Type	SOLO-470	SOLO-480	SOLO-490	SOLO-500	SOLO-510	SOLO-520
Max Power (Pmax/W)	470	480	490	500	510	520
Voltage at Max. Power (Vmp/V)	39,4	39,7	40	40,3	40,6	40,8
Current at Max. Power (Imp/A)	11,99	12,15	12,31	12,47	12,63	12,79
Open Circuit Voltage (Voc/V)	49,8	49,8	49,9	49,9	49,9	49,9
Short Circuit Current (Isc/A)	12,73	12,86	13	13,13	13,27	13,4
Module Efficiency (%)	17,4	17,7	18,1	18,5	18,8	19,2

## Specifications

Amount of cells	72
Cell type	M10 Mono PERC c-Si
Dimensions (clamping height)	2335 x 1159 x 35mm
Dimensions without mounting	2335 x 1138 x 47mm
Weight module	14,5kg
Weight module per m <sup>2</sup>	5,5kg/m <sup>2</sup>
Cable length & cross section 2 pcs	1400mm x 4mm <sup>2</sup>
Connector type	Stäubli MC4-Evo 2
By-pass devices	6 pcs in junction boxes
Country of manufacturing	The Netherlands

## Operating Parameters

Operational Temperature	-40°C / +85°C
Power Output Tolerance	0~2%
Voc and Isc Tolerance	+2%
Maximum System Voltage	1500 V DC
Fire Rating	Class C

## Temperature Ratings

Temperature Coefficient Isc (%/°C)	0,024
Temperature Coefficient Voc (%/°C)	-0,24
Temperature Coefficient Pmax (%/°C)	-0,36

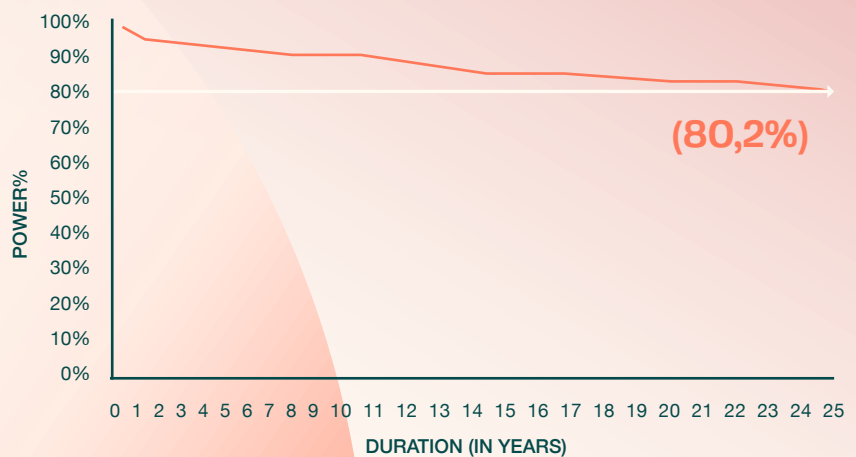
## Environmental Effects

Carbon Footprint	489 to 442kg CO2 eq/kWp
Environmental Cost Indicator (NMD)	€32,14 per piece per 25 years

## Mechanical loading

Front Side Max. Static Loading	2400Pa
Rear Side Max. Static Loading	2400Pa
Hailstone Test	25mm at speed 80km/h

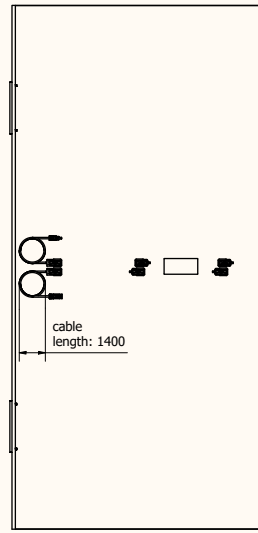
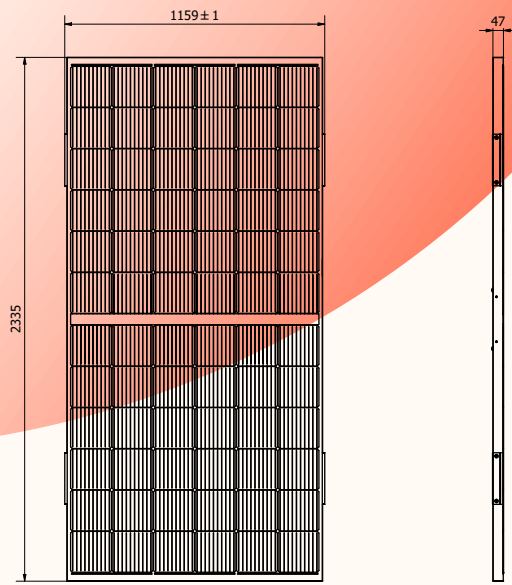
## 25-Year Power Warranty



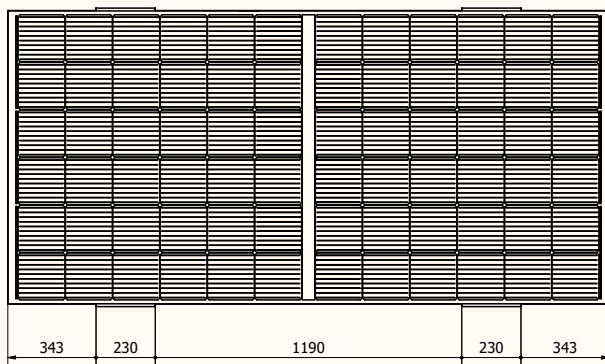


# Interface clamp

## Dimensions

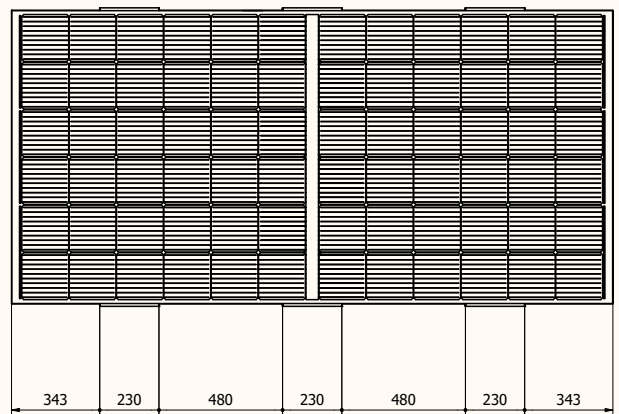


Thickness material	16mm
Clamping height	35mm
Total panel height	47mm



Clamping positions for 4 and 6 clamp brackets.

## Dimensions with 4/6 brackets



# Contact

T +31 85 239 18 00  
info@solarge.com

