

SOLO[®]

Lightweight, truly Circular and Low Carbon footprint

470 ~ 520 Wp

Mono PERC - 72 cells

- ✓ Strong and light polymers result in a weight of only 5,5kg/m²
- ✓ 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 ²	5,5kg/m ²
Cable length & cross section 2 pcs	1400mm x 4mm ²
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

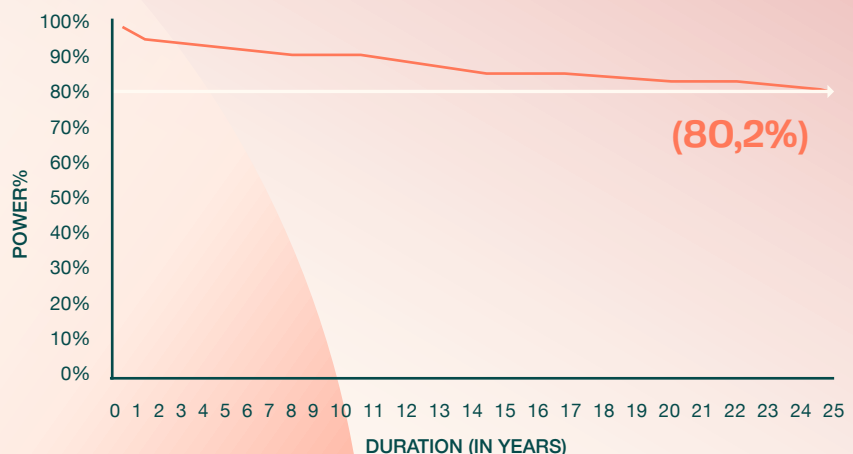
Environmental Effects

Carbon Footprint	629 to 596kg CO2 eq/kWp
Environmental Cost Indicator (NMD)	€38,48 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

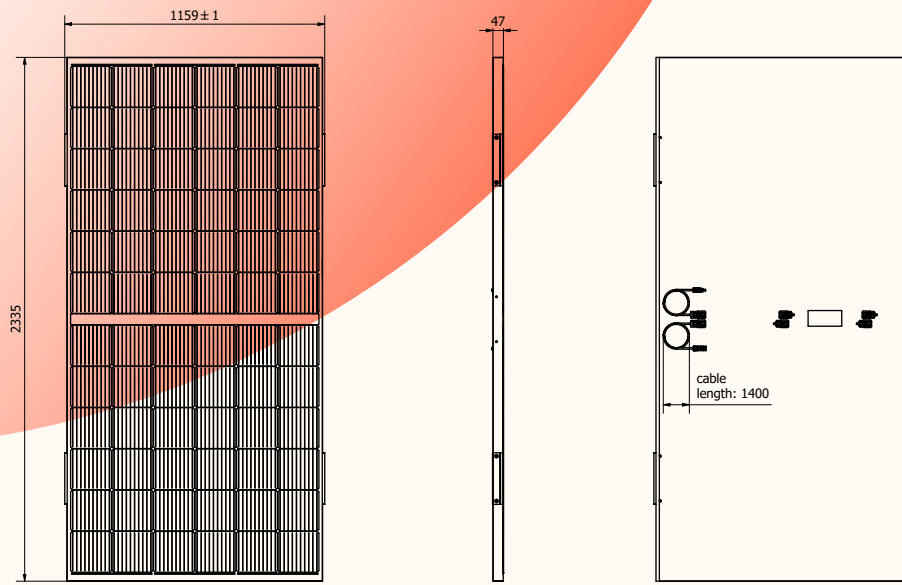
25-Year Power Warranty



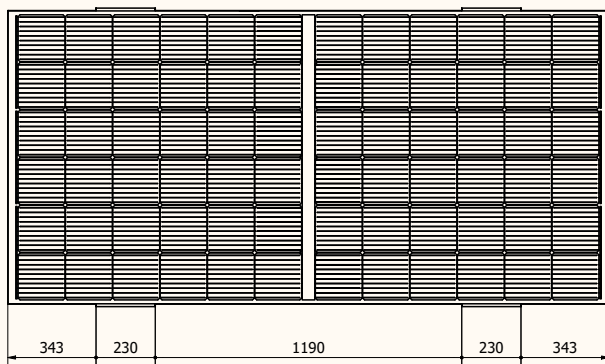


Interface clamp

Dimensions

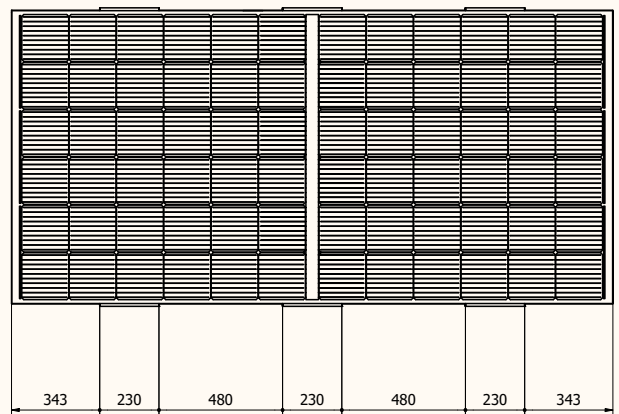


Thickness material	16mm
Clamping height	35mm
Total panel height	47mm



Clamping positions for 4 and 6 clamp brackets.

Dimensions with 4/6 brackets



Contact

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

