



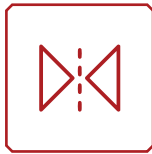
Building integrated
photovoltaics (BIPV)



Hail resistance
class 5



Frameless design
for self-cleaning



Low-glare options &
variety of colours
available



Salt mist &
ammonia
resistance



Maximum fire
resistance
B-Roof(t1)



Swiss made



EPD certified



24 | 32 | 36 | 48 cells

196 Wp/m²

Low carbon module

130 kg CO₂ eq/m²

40 year weather
resistance guarantee

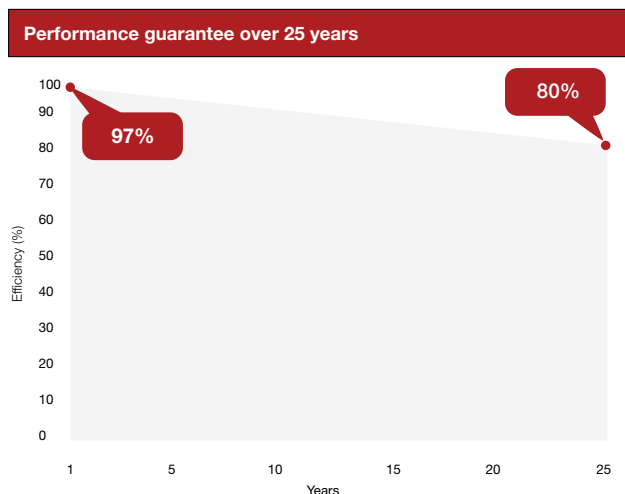
100% produced with
CO₂-neutral energy

80% performance
guarantee over
25 years

Electrical specifications	L	Q	M	S
Nominal power (Wp)	225	165	150	110
Voltage Umpp (V)	27.8	20.4	18.5	13.6
Current Impp (A)	8.1			
Open-circuit voltage Uoc (V)	33.1	24.8	22.2	16.6
Short-circuit current Isc (A)	8.5			
Module efficiency (%)	19.6%	18.9%	19.4%	18.8%
Maximum system voltage (VDC)	1 000			
Maximum reverse fuse rating (A)	15			
Safety class	II			
Tolerance power, current, voltage (%)	± 3%			
Temperature coefficient Pmax (%/K)	-0.319			
Temperature coefficient Uoc (%/K)	-0.244			
Temperature coefficient Isc (%/K)	+0.039			
Number of bypass diodes	3	3	2	2

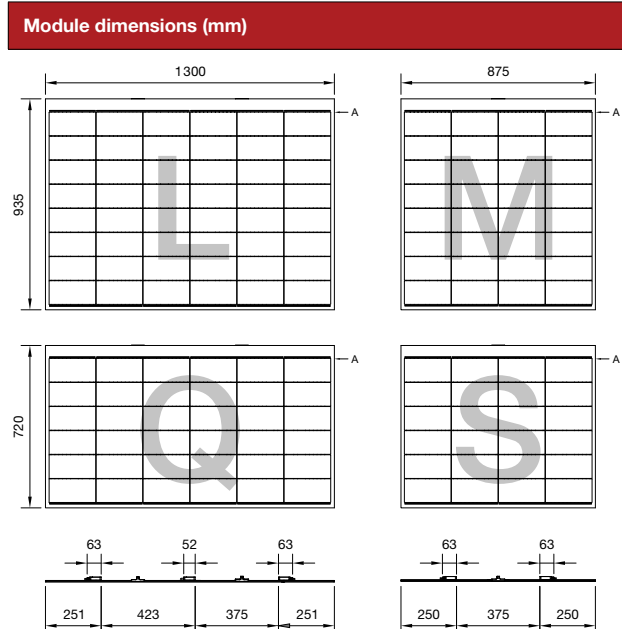
Electrical performance data at STC (1 000 W/m², 25 °C, AM 1.5)

Warranties	
Product warranty	10 years
Performance guarantee	1 year on the 97% of the minimum performance 25 years on the 80% of the minimum performance
Weather resistance guarantee	40 years



Certifications & standards	
Applied standards	IEC 61730:2016; IEC 61215:2021; SIA 261, 261/1; EN 1990
Rain tightness	CEN/TR 15601
Salt mist - corrosion test	acc. IEC 61701
Ammonia - corrosion test	acc. IEC 62716
Fire class according to DIN EN 13501-5	BRoof(t1)
Fire class VKF	RF1 - Is considered a non-combustible top layer

Mechanical specifications	L	Q	M	S
Length (mm)	935	720	935	720
Width (mm)	1300	1300	875	875
Thickness (mm)	6.5			
Weight (kg)	17.7	13.3	11.8	9.1
Design	Glass / Backsheet			
Glass	5 mm ESG solar glass			
Quantity of half-cells	48	36	32	24
Cell type	G12			
Junction box	3Qxy series (QC solar)			
Junction box cable	Solar cable H1Z2Z2-K, 4 mm², lenght 1.4 m (QC solar)			
Electrical connector	Original MC4 (Stäubli Electrical Connectors AG)			
Hail resistance class	HW 5 hailstones Ø 50 mm at 30.8 m/s (111 km/h)			
Maximum load (Tested compressive load and suction load according to SIA 2057)	4 790 N/m² (compressive load) 9 210 N/m² (compressive load alpine) 1 470 N/m² (suction load) 2 670 N/m² (suction load alpine)			
Maximum load (Tested compressive load and suction load according to IEC 61215)	5 400 N/m² (compressive load) 8 000 N/m² (compressive load alpine) 2 400 N/m² (suction load)			



Packing information	
Packaging	Reusable wooden pallets (empty weight 49 kg)
Number of modules	44 modules per pallet
Pallet size (L x W x H)	140 x 115 x 110 cm
Max. shipping weight	830 kg / pallet



This datasheet is not legally binding. The manufacturer reserves the right to make changes to product specifications and / or product features without prior notice. The most recent versions of all documents (GTCs, datasheets, warranties and installation manuals) can be found on our website at: www.3-s.com

