



Building integrated
photovoltaics (BIPV)



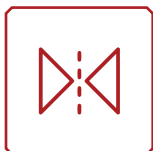
Hail resistance
class 4



Laminated safety
glass



Frameless design
for self-cleaning



Low glare options &
variety of colours
available



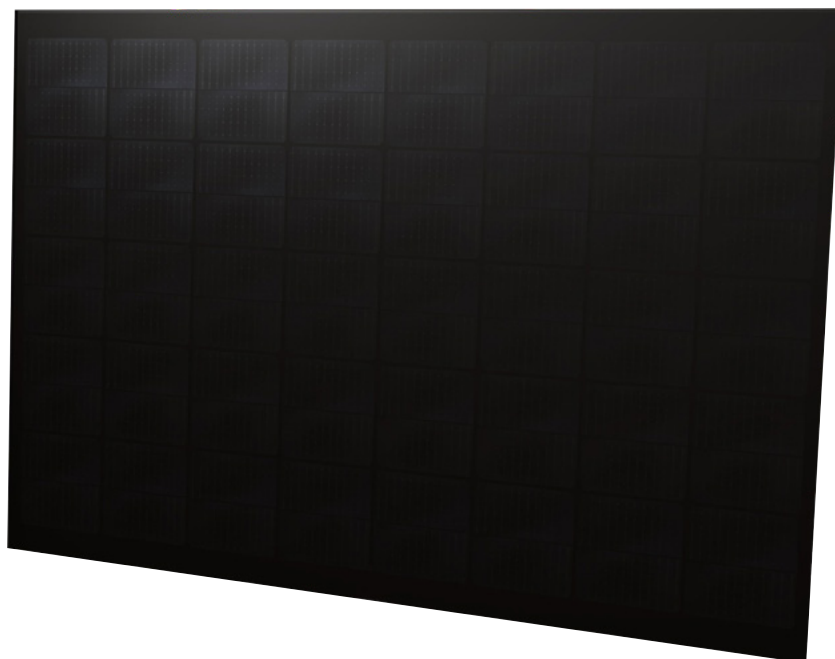
Fire class B



Swiss made



EPD certified



24 | 32 | 36 | 48 cells

196 Wp/m²

Low carbon modul

122 kg CO₂ eq/m²

40 year weather
resistance guarantee

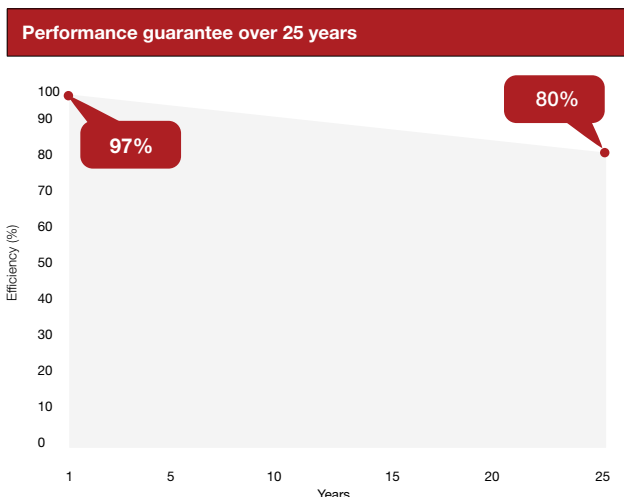
100% produced with
CO₂-neutral energy

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)	1000			
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 (1000 W/m², 25 °C, AM 1.5)

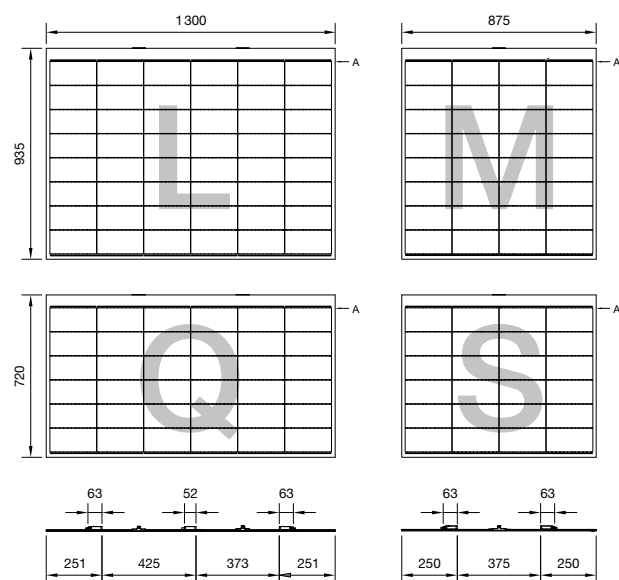
Warranties	
Product warranty	10 years
Performance guarantee	1 year on the 97% of the minimum performance 25 years on the 80% of the minimum performance
Weather resistance guarantee	40 years



Certifications & standards	
Applied standards	IEC 61730:2016; IEC 61215:2021; SIA 2057
Fire class	DIN EN 13501-1: B-s1, d0
Fire class VKF	RF 2

Mechanical specifications	L	Q	M	S
Length (mm)	935	720	935	720
Width (mm)	1300	1300	875	875
Thickness (mm)	9			
Weight (kg)	26.7	20.6	18	13.8
Design	Glass-Glass-Module			
Glass	4 mm TVG + 4 mm TVG 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, length 1.4 m (QC solar)			
Electrical connector	Original MC4 (Stäubli Electrical Connectors AG)			
Hail resistance class VKF	HW 4 hailstones Ø 40 mm at 27.5 m/s			
Maximum load (Tested compressive load and suction load according to IEC 61215)	5400 N/m² (compressive load) 2400 N/m² with 3 hooks (suction load) 3600 N/m² with 5 hooks (suction load)			
Maximum load (Tested compressive load and suction load according to SIA 2057)	1800 N/m² (compressive load) 1000 N/m² with 3 hooks (suction load) 1300 N/m² with 5 hooks (suction load)			

Module dimensions (mm)



Packing information	
Packaging	Reusable wooden pallets (empty weight 49 kg)
Number of modules	22 modules per pallet
Pallet size (L x W x H)	140 x 116 x 110 cm
Max. shipping weight	640 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.3s.com

