

TeraSlate® Satinato

Low-glare solar module for the roof



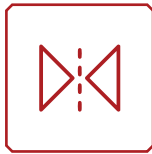
Building integrated photovoltaics (BIPV)



Hail resistance class 5



Frameless design for self-cleaning



Low-glare



Salt mist & ammonia resistance



Maximum fire resistance B_{Roof}(t1)



Swiss made



Variety of colours available



24 | 32 | 36 | 48 cells

192 Wp/m²

Low carbon modul

40 year weather resistance guarantee

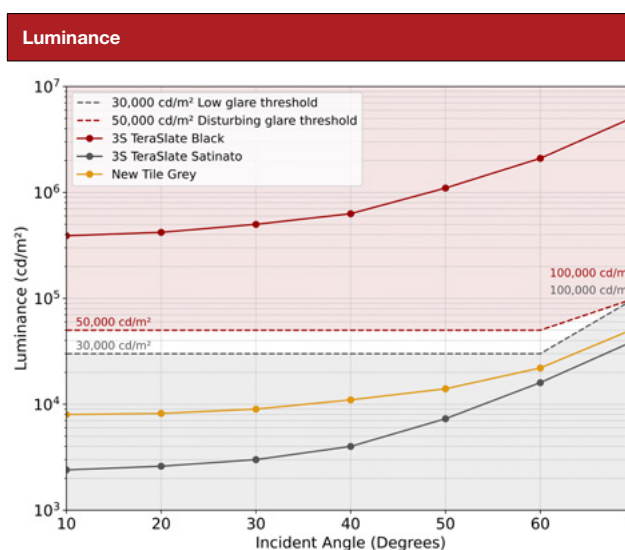
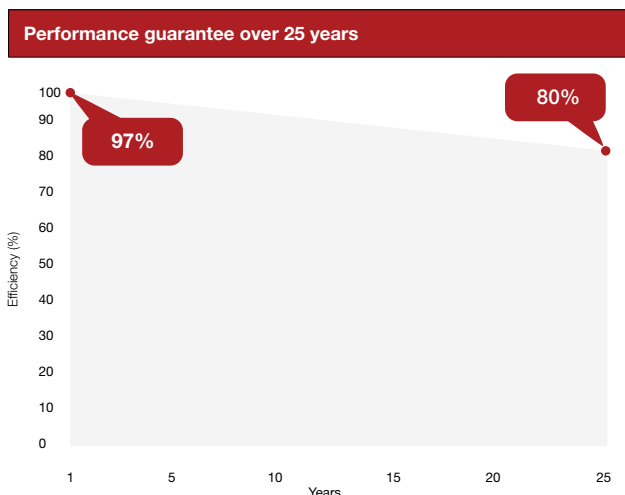
100% produced with CO₂-neutral energy

80% performance guarantee over 25 years

Electrical specifications	L	Q	M	S
Nominal power (Wp)	220	160	145	110
Voltage Umpp (V)	27.8	20.4	18.5	13.9
Current Impp (A)	7.9			
Open-circuit voltage Uoc (V)	33.1	24.8	22.2	16.6
Short-circuit current Isc (A)	8.4			
Module efficiency (%)	19.1%	18.4%	18.7%	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)

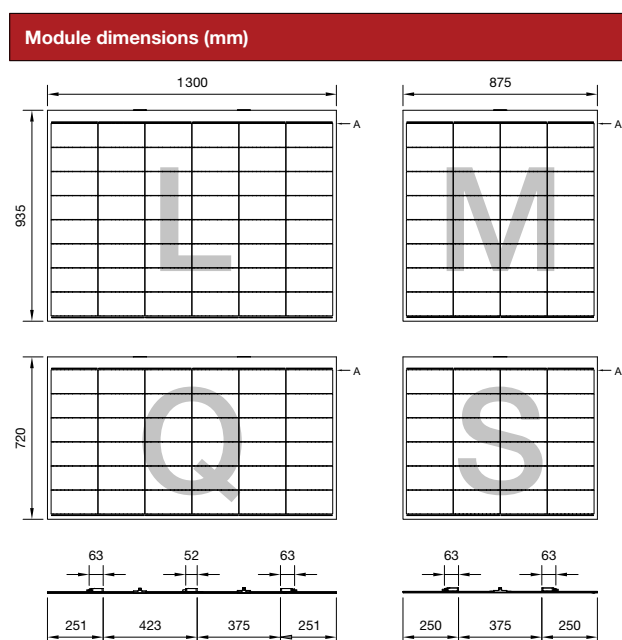
Warranties	
Product warranty	10 years
Performance guarantee	1 year on the 97% of the minimum performance 25 years on the 80% of the minimum performance
Weather resistance guarantee	40 years



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Due to the manufacturing process of the satinized glass, deviations in color are possible depending on the viewing angle. This may mean that not all solar modules look the same. The deviations are purely optical in nature and have no influence on the performance of the module. Further information at: www.3s.com

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 mm ² , length 1.4 m (QC solar)			
Electrical connector	Original MC4 (Stäubli Electrical Connectors AG)			
Hail resistance class VKF	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)	3130 N/m ² (compressive load) 5750 N/m ² (compressive load alpine) 1470 N/m ² (suction load) 1830 N/m ² (suction load alpine)			
Maximum load (Tested compressive load and suction load according to IEC 61215)	5400 N/m ² (compressive load) 8000 N/m ² (compressive load alpine) 2400 N/m ² (suction load)			



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	BRooft(t1)
Fire class VKF	RF1 - Is considered a non-combustible top layer

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.3s.com

