

# TeraSlate® Flair

Coloured solar module for the roof



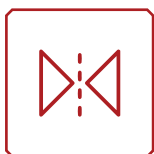
Building integrated photovoltaics (BIPV)



Hail resistance class 5



Frameless design for self-cleaning



Low-glare options



Suitable for heritage buildings



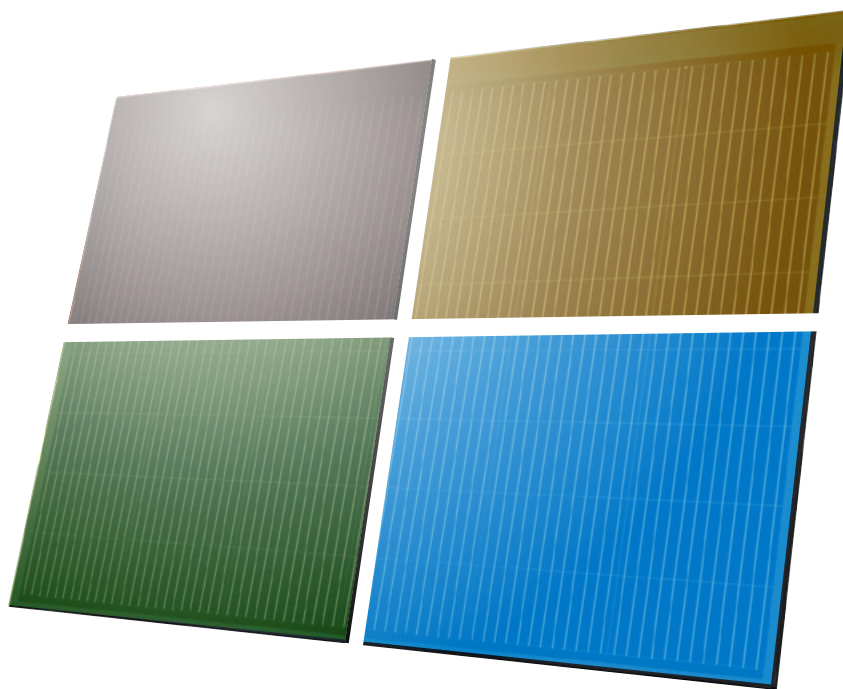
Maximum fire resistance B<sub>Roof</sub>(t1)



Swiss made



Variety of colours available



24 | 32 | 36 | 48 cells

**156 Wp/m<sup>2</sup>**

**Low carbon module**

**40** year weather resistance guarantee

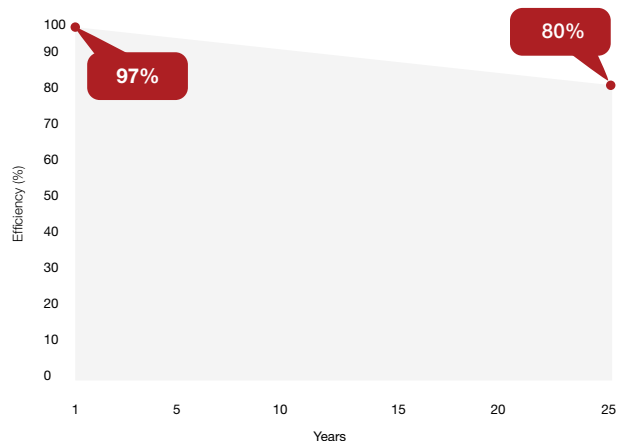
**100%** produced with CO<sub>2</sub>-neutral energy

**80%** performance guarantee over 25 years

Electrical specifications	
Voltage Umpp (V)	27.8
Open-circuit voltage Uoc (V)	33.1
Maximum system voltage (VDC)	1000
Maximum reverse fuse rating (A)	15
Safety class	II
Tolerance power, current, voltage (%)	± 5%
Temperature coefficient Pmax (%/K)	-0.319
Temperature coefficient Uoc (%/K)	-0.244
Temperature coefficient Isc (%/K)	+0.039

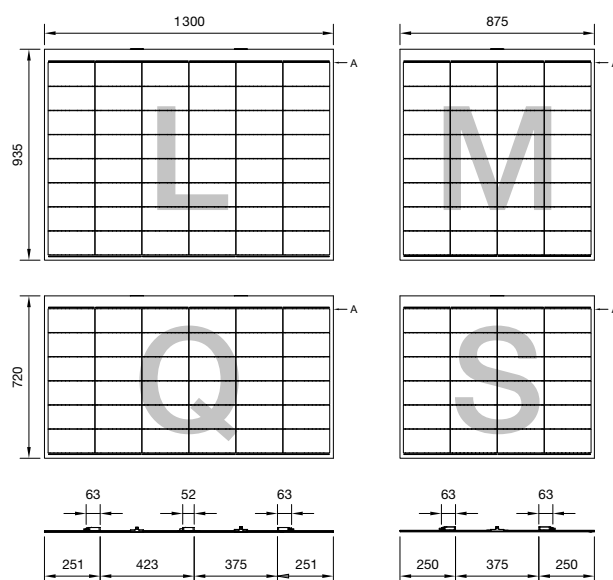
Warranties	
Product warranty	10 years
Performance guarantee	1 year on the 97% of the minimum performance 25 years on the 80% of the minimum performance
Weather resistance guarantee	40 years

### Performance guarantee over 25 years



Mechanische Spezifikationen	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 <sup>2</sup> , 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 261/ EN 1990)	3130 N/m <sup>2</sup> (compressive load) 5750 N/m <sup>2</sup> (compressive load alpine) 1470 N/m <sup>2</sup> (suction load) 1830 N/m <sup>2</sup> (suction load alpine)			
Maximum load (Tested compressive load and suction load according to IEC 61215)	5400 N/m <sup>2</sup> (compressive load) 8000 N/m <sup>2</sup> (compressive load alpine) 2400 N/m <sup>2</sup> (suction load)			

### Module dimensions (mm)

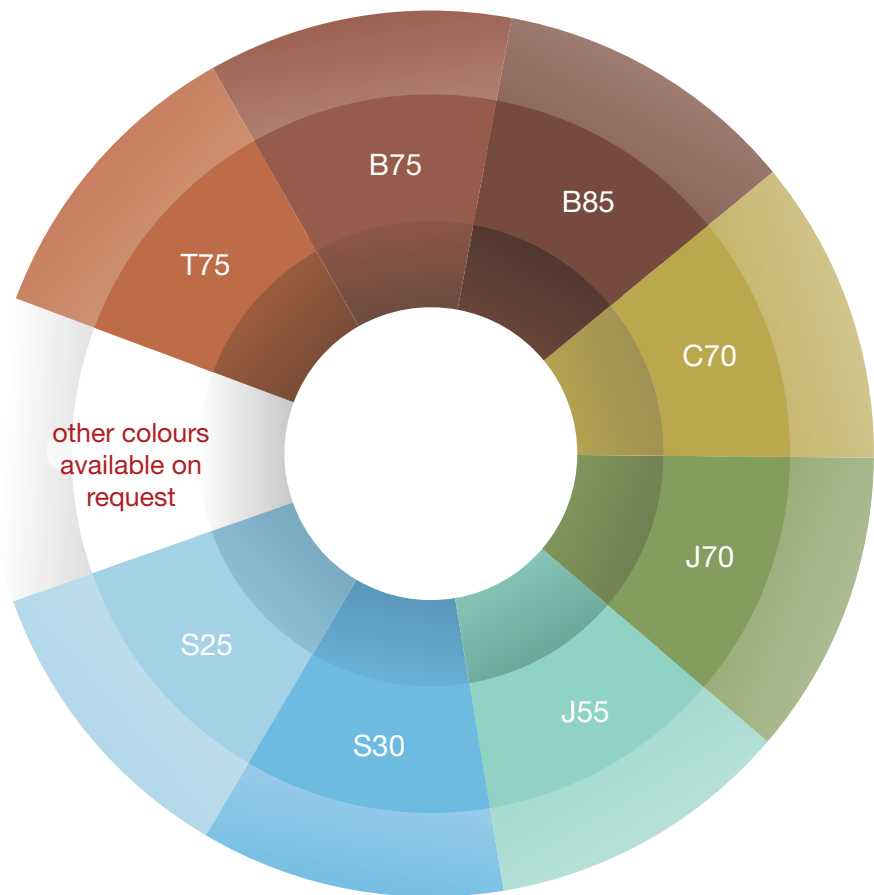


Certifications & standards	
Applied standards	IEC 61730:2016; IEC 61215:2021; SIA 261, 261-1; EN 1990
Rain tightness	CEN/TR 15601
Salt mist - corrosion test	acc. IEC 61701
Ammonia - corrosion test	acc. IEC 62716
Fire class according to DIN EN 13501-5	BRooft(t1)
Fire class VKF	RF1 - Is considered a non-combustible 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 116 x 115 cm
Max. shipping weight	830 kg / pallet

# TeraSlate® Flair

## Colour spectrum



	L				Q	M	S		
	Voltage (Umpp)	Open-circuit voltage (Uoc)	Nominal power	Remaining power	Nominal power	Nominal power	Nominal power	Current (Impp)	Short-circuit current (Isc)
<b>Terracotta rust - T75</b>	27.8 V	33.1 V	165 Wp	74%	120 Wp	110 Wp	80 Wp	5.9 A	6.2 A
<b>Rust brown - B75</b>	27.8 V	33.1 V	175 Wp	78%	130 Wp	115 Wp	85 Wp	6.3 A	6.6 A
<b>Earth brown - B85</b>	27.8 V	33.1 V	160 Wp	72%	120 Wp	110 Wp	80 Wp	5.8 A	6.3 A
<b>Pistachio green - C70</b>	27.8 V	33.1 V	180 Wp	79%	130 Wp	120 Wp	85 Wp	6.5 A	7.0 A
<b>Lime green - J70</b>	27.8 V	33.1 V	160 Wp	72%	120 Wp	110 Wp	80 Wp	5.8 A	6.3 A
<b>Patina green - J55</b>	27.8 V	33.1 V	160 Wp	72%	120 Wp	110 Wp	80 Wp	5.8 A	6.3 A
<b>Sea blue - S30</b>	27.8 V	33.1 V	170 Wp	77%	125 Wp	115 Wp	85 Wp	6.1 A	6.6 A
<b>Sky blue - S25</b>	27.8 V	33.1 V	165 Wp	74%	125 Wp	110 Wp	80 Wp	5.9 A	6.4 A

\* Calculated values. Tolerance nominal power  $\pm 5\%$ . The actual power values are determined after production. Colour deviations are possible due to the manufacturing process.



EN 2025-05



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](http://www.3-s.com)

