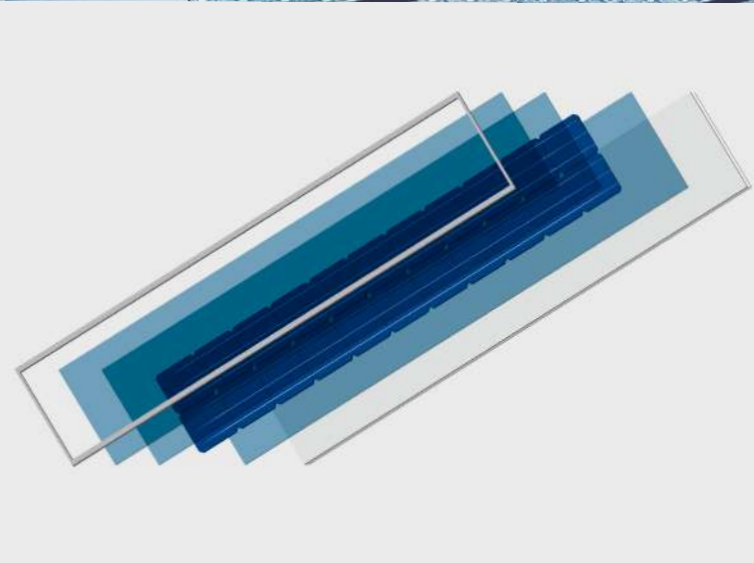Technical Specifications

Solarstone 105 W Solar Tile Modules

Simple, aesthetic, lightweight and cost-effective.

Durable builidng-integrated rooftop solar modules replacing traditional roofing materials.
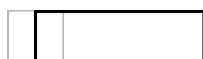

Application

- New-builds & renovation projects
- Residential and public buildings
- Carports
- Facades
- Canopies and ancilliary structures
- Historic buildings where on-roof solutions are not permitted
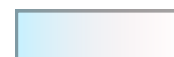
Advantages

- Easy-to-mount
- Aesthatically attractive
- Weather-proof
- No expensive fittings required
- High static load rating
- 10-year warranty for defects
- 25-year warranty for output
- Compatibility with extensive selection of concrete/clay tiles
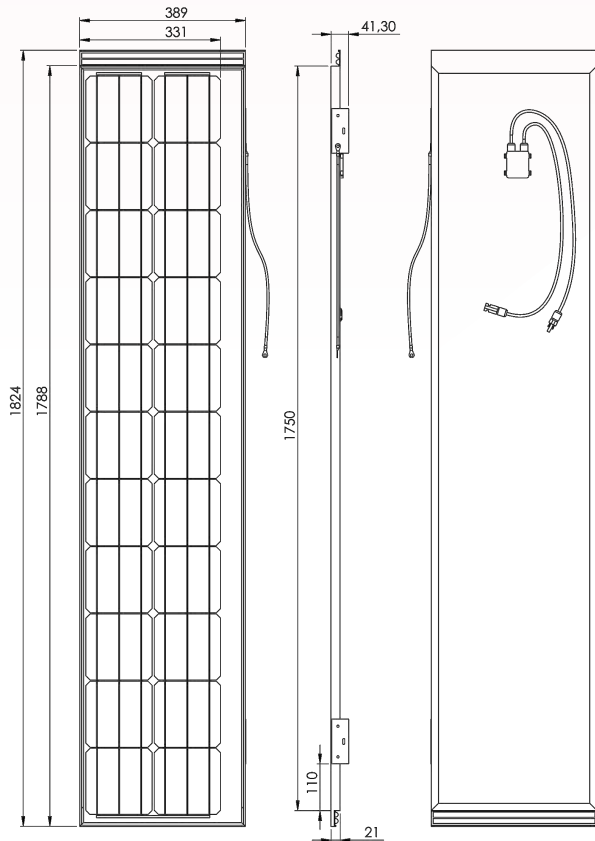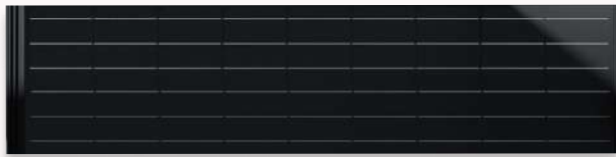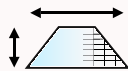
Ample tile compatibility

Easy installation

Aesthetics

Drawings

Calculator

Designed for BIPV

Online tool helps automate layout generation and facilitates dimensioning of utility patented Solarstone PV systems. Ask sales representative for access.

solarstone.ee/en/calculator

Mechanical Specifications

Manufacturer	Solarstone
Model name	S105B20
Cell type	Monocrystalline, 156 x 156mm
Number of cells	22
Weight (kg)	8
Junction box	1 diode. IP65
Dimensions (mm)	1824 x 389 x 22
Dimensions (mm, installed)	1787 x 331 ... 360 x 22
Suitable batten spacing (mm)	331 ... 360

Electrical Specifications

Maximum power rating (Pmax)	105
Tolerance of max power rating	+3/-3%
Power temperature coef. (°C)	-0.414 %
Open circuit voltage (Voc)	14,12
Short circuit current (Isc)	8,86
Maximum power voltage (Vmp)	12,41
Maximum power current (Imp)	8,77
Maximum system voltage (V)	600
Fuse rating (A)	12
Static load test passed (kg/m²)	500
Module efficiency	18,5%
Output terminal	MC4
Fire rating	Class C

Materials & Tests

100% Recyclable

- Coated black aluminum frame
- Monocrystalline silicone cells
- Prismatic 3,2mm glass
- Flash testing to ensure rated level of output
- Lead-free solder protects health and the environment
- IEC 61215 & 61730 renewal
- Broof (t2)
- Utility-patented solution (EPO)

Contact

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