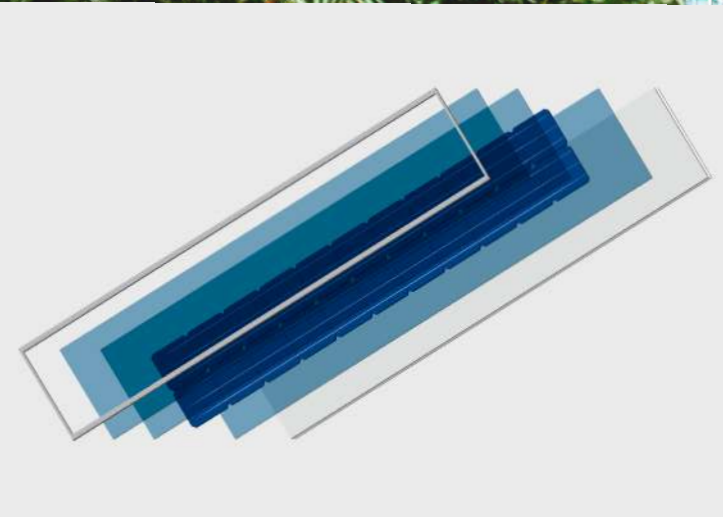


TECHNICAL SPECIFICATIONS

Solarstone 90 W Solar Tile Modules

Simple, aesthetic, lightweight and cost-effective.

Durable building-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
- Aesthetically 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

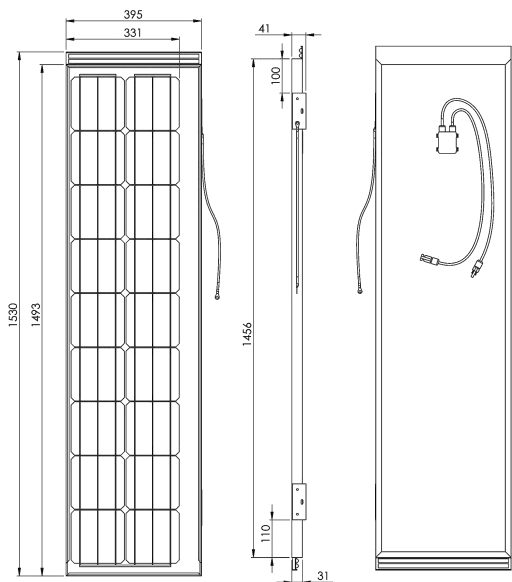


Easy installation



Aesthetics

DRAWINGS



INSTALLATION CLAMPS & ACCESSORIES

90W installation clamps (suitable for 30x50mm battens)
Product code: UBE30



90W installation Nordic clamps (suitable for 30x36mm battens)
Product code: UBE30R



Plastic L-profile (38 x 38 x 1 mm)
Installed on the top row to protect module glass and frame from roof tile
Product code: UBEL



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	S90B30
Cell type	Monocrystalline, 156 x 156mm
Number of cells	18
Weight (kg)	7
Junction box	1 diode. IP65
Dimensions (mm)	1530 x 395 x 31
Dimensions (mm, installed)	1492 x 331 ... 360 x 31
Suitable batten spacing (mm)	331 ... 360

ELECTRICAL SPECIFICATIONS

Maximum power rating (Pmax)	90
Tolerance of max power rating	+3/-3%
Power temperature coef. (°C)	-0.414 %
Open circuit voltage (Voc)	11,22
Short circuit current (Isc)	9,58
Maximum power voltage (Vmp)	11,9
Maximum power current (Imp)	9,27
Maximum system voltage. DC	600
Fuse rating (A)	12
Static load test passed (kg/m2)	500
Module efficiency	19,5%
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)