

SolTech ShingEl - Technical specification

Mechanical Specifications

Construction size	1245±4 x (320-340) mm
External size	1275±4 x 420±4 mm
Thickness	32±2 mm
Active area	0.33 m ²
Weight	~8,8 kg
Allowed batten distance	320-340 mm
Double insulated cable	2.5 mm ² , 1860 mm, Ø6
Connectors	SUNCON C4B, Ø20 mm
Cell Type	Cadmium Telluride (CdTe)
Front/back glass	Float glass
Frame	Aluminium
Colour	Black
Mounted with	Benders Carisma concrete tile

Nominal Values - S1-40

Nominal Power ± 10 %	P _m (W)	40
Open Circuit Voltage	V _{oc} (V)	119,6
Short Circuit Current	I _{sc} (A)	0,48
Voltage at max. Power	V _m (V)	94,7
Current at max. Power	I _m (A)	0,42

At STC: 1000 W/m², AM 1.5, 25 °C

System Properties (at STC)

Maximum System Voltage	V _{sys} (V)	1000(600UL)
Limiting Reverse Current	I _R (A)	1,1
Maximum Series Fuse	I _{CF} (A)	0,8

Temperature Coefficients (at STC)

Temperature Coefficients of I _{sc}	α=0.060%/°C
Temperature Coefficients of V _{oc}	β=-0.321%/°C
Temperature Coefficients of P _m	γ=-0.214%/°C

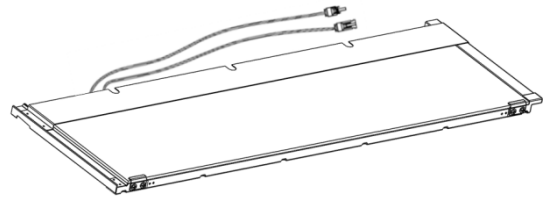
CE-marked according to:

IEC/EN 61646:2008
 IEC/EN 61730-1:2004 + A1:2011 + A2:2013
 IEC/EN 61730-2:2004 + A1:2012
 EN 490:2011
 EN 13501-5:2016

SolTech Energy's recommended roofing felt shall be mounted under all SolTech ShingEl-modules. Recommended roofing felt will be found in the installation guide.

Drawings

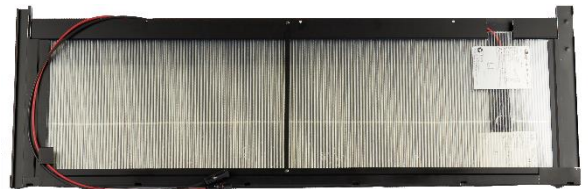
Isometric sketch



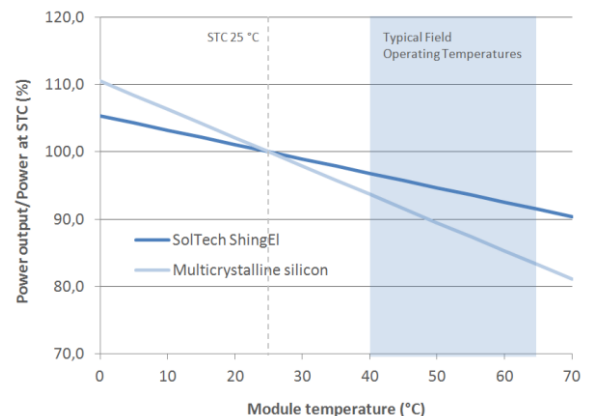
Front view



Back view



Temperature Characteristics



Recycling

Worn out or broken modules are returned to the manufacturer who recycles the product's components. Over 90 % of the returned material is recycled.