

ShingEl

Mechanical Specifications

Construction size	1250±4 x (310-340) mm
External size	1275±4 x 420±4 mm
Thickness	32±2 mm
Active area	0.33 m ²
Weight	10 kg
Allowed batten distance	310-340 mm
Lead Cable	2.5 mm ² , 900 mm, ø6 mm
Connectors	MC4, ø20 mm
Cell Type	Cadmium Telluride (CdTe)
Front/back glass	Float glass
Frame	Steel with Al-Zn coating
Colour	Black
Mounted with	Benders Carisma concrete tile

Nominal Values - S1-37

Nominal Power ± 10 %	P _m (W)	37
Open Circuit Voltage	V _{oc} (V)	116
Short Circuit Current	I _{sc} (A)	0,47
Voltage at max. Power	V _m (V)	91,6
Current at max. Power	I _m (A)	0,41

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)	2
Maximum Series Fuse	I _{cf} (A)	2

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:

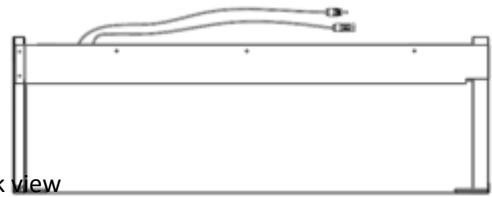
IEC/EN 61646:2008
 IEC/EN 61730-1:2013
 IEC/EN 61730-2:2012
 EN 490:2011
 EN 13501-5:2016

Drawings

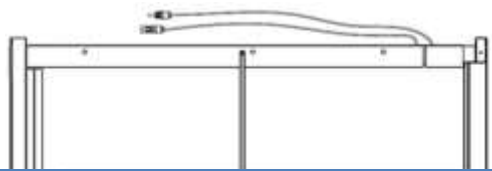
Isometric view



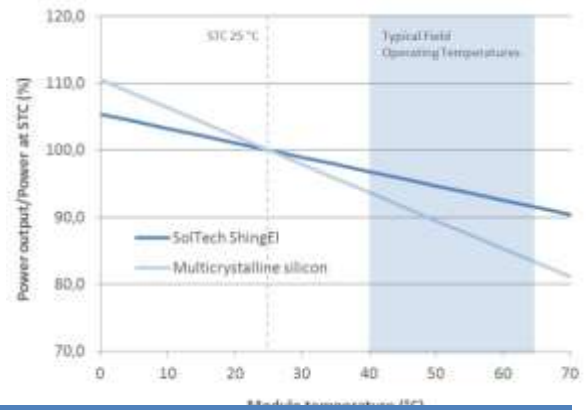
Front view



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.