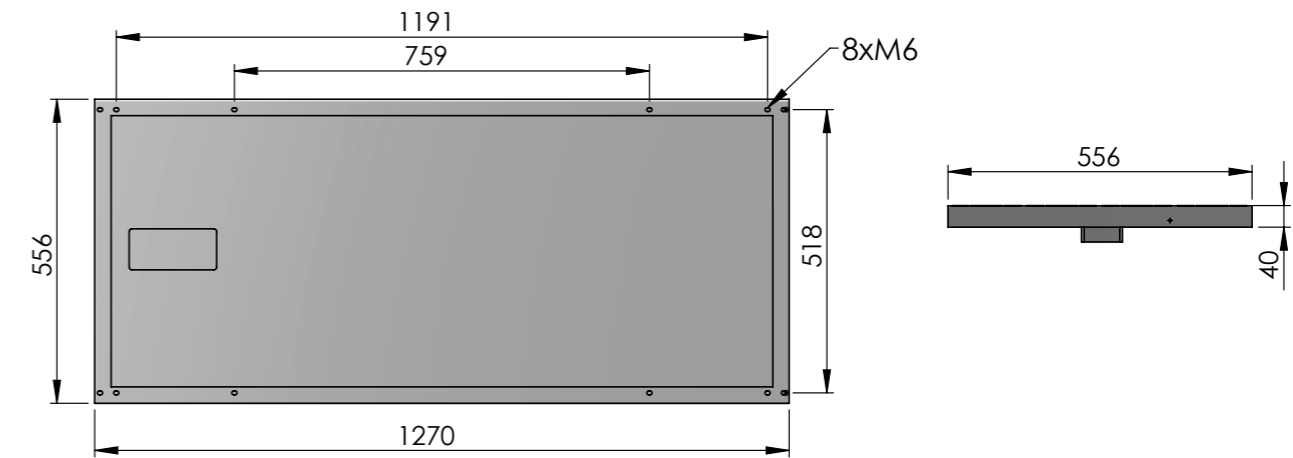
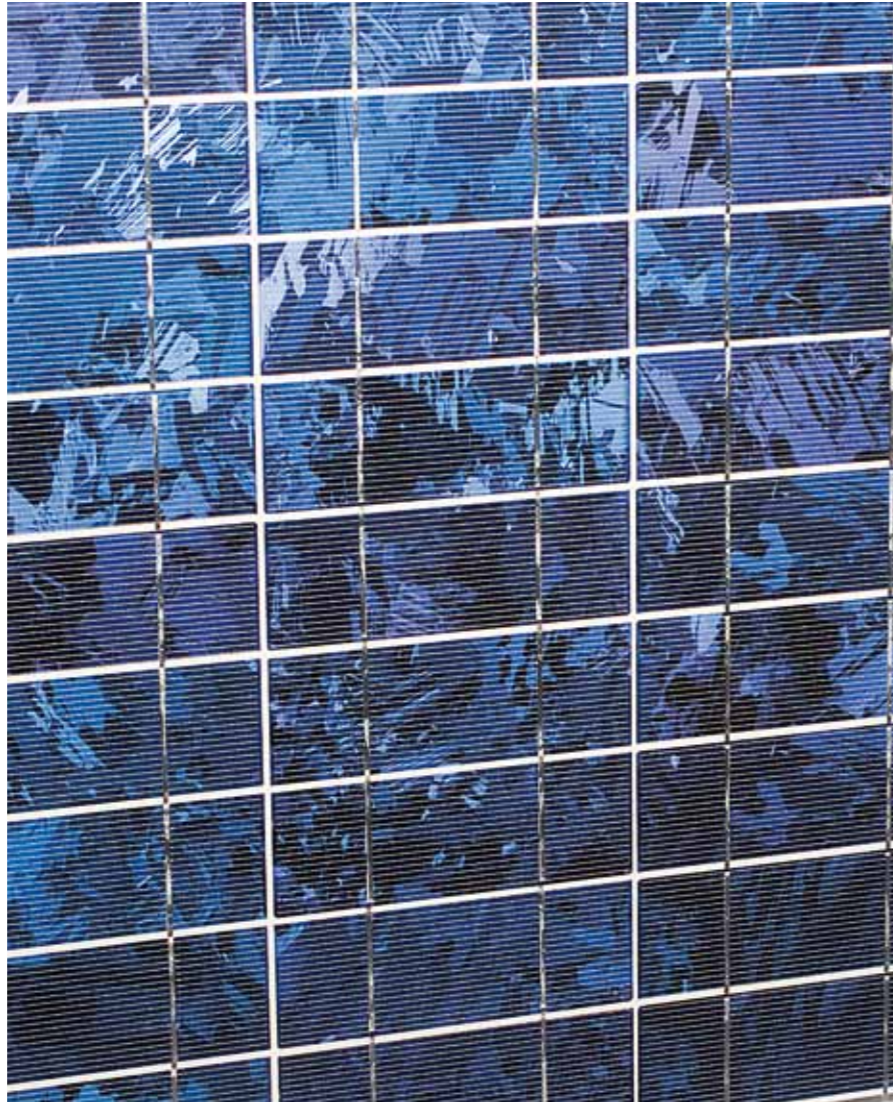


STSM 85 EX

Solar Module 85W

STSM 85 EX is a solar module designed for hazardous areas. The solar cells are embedded in UV stabilised ethyl vinyl acetate and encapsulated between 2 highly transparent sheets of tempered glass. This guarantees a good protection in harsh marine conditions including hurricanes, snow and ice.

- Equipped with a robust anodised frame
- ATEX category Zone 1
- Glass fibre reinforced Exe polyester junction box on the back of the panel
- Two M25 cable glands for cables with max. diameter of 18mm
- Contains 36 polycrystalline silicon solar cells in serial connection
- Built-in bypass diodes to prevent hotspot situations



Main Technical Specification

Nominal peak power (Pmpp)	85 W
Minimum power (Pmpp min)	80,1 W
Nominal voltage	12 V
Voltage at nominal power (Vmpp)	17,6 V
Current at nominal power (Impp)	4,8 A
Open circuit voltage Voc	21,6 V
Short circuit power (Isc)	5,2 A
Maximum system voltage	50 V
Temperature range	-20° ... +55°C
Weight	13 kg
Dimension (LxWxD)	127,0 x 55,6 x 6,6 cm
Ex Zones	Zone 1
Ex approval	EX II 2 G Ex emb IIT4
Certificates	06ATEX0020X