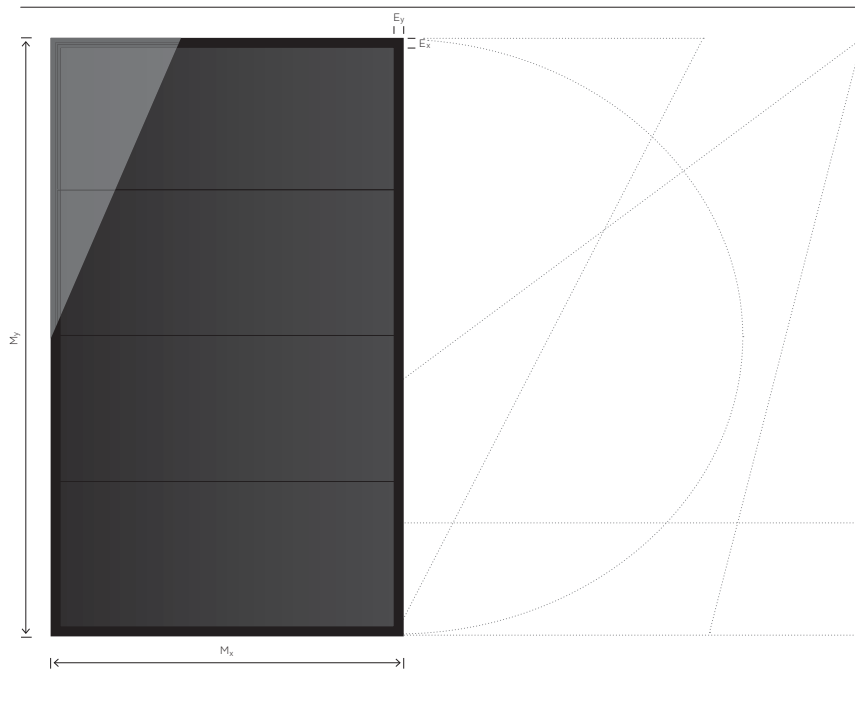


# Customized Solar Module



## Mechanical Parameters

### Dimensions

Module Width ( $M_x$ ):	220 mm – 1200 mm
Module Height ( $M_y$ ):	50 mm – 3200 mm
Edge ( $E_x$ , $E_y$ ):	starting from 25 mm
Space betw. Super Cells (SC)*	starting from 2 mm

\*) Super Cells are areas of interconnected solar cell stripes, the dimensions of Super Cells are variable.  
All dimensions are available in 1 mm steps, other heights and widths on request.

### Shapes



### Junction box

- can be placed on the backside or on the edge
- adaptable in type and size
- equipped with solar cable and junction plug

### Build-up options

Front	TSG, Heat-strengthened glass, Float; 2.5 mm – 10 mm
Back	TSG, Heat-strengthened glass, Float; 2.5 mm – 10 mm or Tedlar Foil (not for insulated glazing)

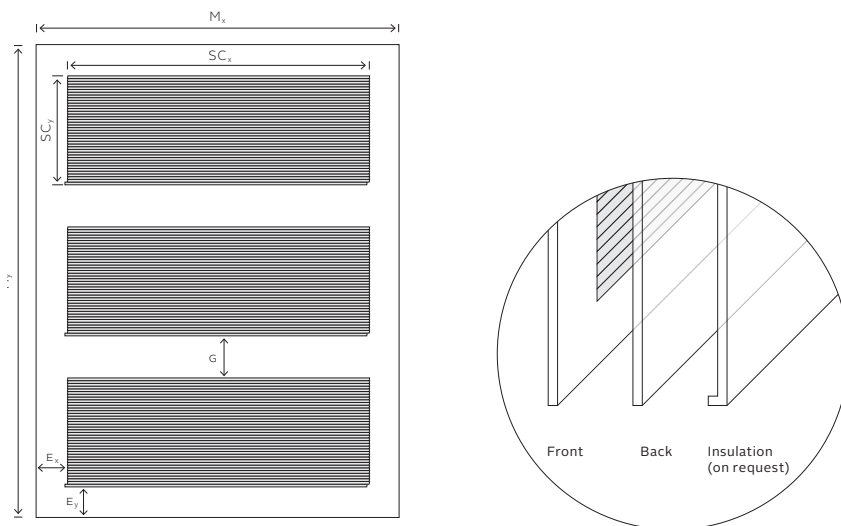
### Insulated Glazing

Backpane	TSG, Heat-strengthened glass, Laminated safety glass; 3 mm – 20 mm
Spacer	any dimension possible



# Customized Solar Module

## Engineering Drawing



## Electrical Parameters

Cell Technology CISCuT (Copper Indium Disulphide Copper Tape)  
 Efficiency (active area) 7.5% (2011) 8.5% (2012)

### Voltage Level

Parallel connection SC  $V_{max} = SC_y \times 0.45V$  (recommended: 20V–25V)  
 Serial connection SC  $V_{max} = N_{sc}^{**} \times SC_y \times 0.45V$  (recommended: 20V–25V)

### Current level

Parallel connection SC  $I_{max} = N_{sc}^{**} \times SC_x \times 13,6 mA$   
 Serial connection SC  $I_{max} = SC_x \times 13,6 mA$

TC of  $P_{max}$   $-0.39\%/K$

Interconnection of Super Cells parallel or serial

\*\* $N_{sc}$  = Number of Super Cells

## Design Options

Semitransparency 0%–100%  
 Grade of transparency defined by the gaps (G) between Super Cells

Colour of solar cell Black

RAL colours through glass print on request, coloured glass available, printed glass option will have effect on yield



## Mounting Options

Mullion-transom system, cassette system, ventilated facade system, point fixed system, clamp mounting system, structural sealant glazing