

# eFlex 0.8m – for Buildings & Mobility

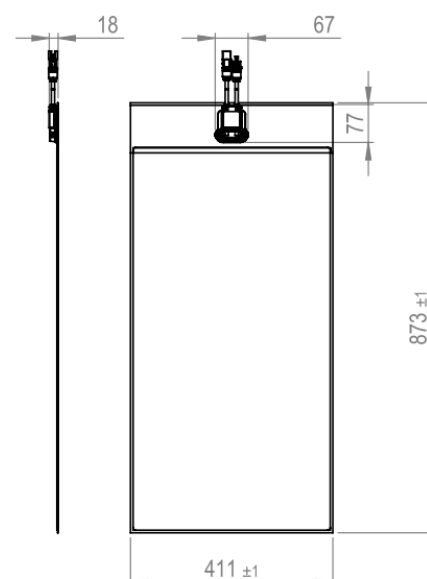


## Description

The eFlex is a flexible and lightweight solar panel designed for integration into roofs, structures with limited load bearing capacity, mobility applications on trailers, RVs, boats and many more demanding applications.

## Features

- Most elegant and aesthetic solar module, beautiful uniform design
- High energy yield due to excellent shadow tolerance and temperature stability
- Applicable for curved surfaces – bendable
- Ultra-low weight, < 2kg/m<sup>2</sup>
- Unbreakable & robust - no glass, no micro cracks
- EL tested
- Made in Switzerland
- Available in 0.8m, 1.6m, 2.3m and 3.1m length



| Dimensions          |      |  |        |
|---------------------|------|--|--------|
| Length              | [mm] |  | 873    |
| Width               | [mm] |  | 411    |
| Thickness at module | [mm] |  | 2.2    |
| Thickness at J-Box  | [mm] |  | 21 ± 1 |
| Weight              | [Kg] |  | 0.8    |

| Electrical characteristics at STC <sup>1</sup> |      |     |  | FF 25 | FF 30 |
|--|------|-----|--|-------|-------|
| Model number                                   |      |     |  |       |       |
| Nominal power                                  | Pmpp | [W] |  | 25    | 30    |
| Tolerance                                      |      | [W] |  | -0/+5 | -0/+5 |
| Voltage at nom. power                          | Vmpp | [V] |  | 34    | 34    |
| Current at nom. power                          | Impp | [A] |  | 0.74  | 0.88  |
| Open circuit voltage                           | Voc  | [V] |  | 46    | 46    |
| Short circuit current                          | Isc  | [A] |  | 0.82  | 0.97  |
| Max. system voltage                            | IEC  | [V] |  |       | 1000  |
| Max. serial fuse rating                        |      | [A] |  |       | 10    |

| Thermal characteristics |      |        |       |
|-------------------------|------|--------|-------|
| Temperature coefficient | Voc  | [%/°C] | -0.3  |
| Temperature coefficient | Isc  | [%/°C] | 0.01  |
| Temperature coefficient | Pmpp | [%/°C] | -0.35 |

| Operating conditions |      |  |                                |
|----------------------|------|--|--------------------------------|
| Temperature range    | [°C] |  | -40 to +85                     |
| Max. mechanical load |      |  | 2400 Pa, 245 kg/m <sup>2</sup> |

| Additional data     |   |
|---------------------|---|
| Cell type           | Flexible CIGS   |
| Junction box        | Front side including bypass diode, IP67, MC4 type / MC4 connectors, 700mm long cable (4 mm <sup>2</sup> ) |
| Encapsulation       | Fluoropolymer front sheet / plastic back sheet  |
| Parallel connection | Y-connector available   |
| Customization       | Possible on request for larger volumes / Optional front and back-side junction box                        |

| Warranty & certification |  |
|--------------------------|--|
| Performance guarantee    | 10 years on 90% of Pmpp under STC <sup>1</sup> & 20 year on 80% of Pmpp under STC <sup>1</sup> |
| Warranty                 | 5 years' workmanship after delivery date   |
| Certification            | IEC 61646 2nd Ed testing underway; IEC 61730 testing underway                                  |
| Safety class             | II   |

#### Notes

<sup>1</sup> STC: 1000 W/m<sup>2</sup>, AM1.5G, 25°C, stabilized module state

<sup>2</sup> NOCT: 800 W/m<sup>2</sup>, AM1.5G, 20°C, Wind Velocity = 1 m/s

We continuously develop our products. Electrical and physical properties subject to change without prior notice.

#### Distribution & Installation Partner: