

# FlexDesign MES60/80

## Semi-Flexible High-Efficiency Solar Modules

### Product Description

The new semi-flexible and ultra-light solar modules in the FlexDesign series have been specially developed for use in balcony solar systems. Unlike conventional modules, highly efficient mono-crystalline solar cells are used here in a glass fibre-reinforced film-based laminate and achieve a high level of reliability even under the usual mechanical stresses of long-term outdoor use. The shade-resistant half-cell film module can also be easily glued or screwed to the rear, and drilling through the laminate at the edges is no problem. In addition to the extremely low weight per unit area of less than 3kg/m<sup>2</sup>, the lightweight construction also makes installation much easier and quicker than with conventional solar modules. V2A cable ties are available for fastening to standard balcony balustrades. The two approx. 1 metre long connection cables with MC4 connectors are led out at the rear, allowing flat mounting on even surfaces. The modules are optionally available with rear reinforcement for mounting on brackets with angle adjustment.

The FlexDesign modules are supplied with a 5-year product guarantee.

### Technical Data

	Dimensions (mm)	Weight (kg)	Rated power *1 Pmpp (Wp)	Nominal voltage *1 Umpp (V)	Rated current *1 Impp (A)
MES60-170H	1010 x 900 x 3	3,6	170 <sup>+3</sup>	17,5	9,8
MES80-225H	1330 x 900 x 3	4,8	225 <sup>+5</sup>	23,5	9,8

\*1 at STC (sunlight 1000W/m<sup>2</sup> and 25°C module temperature)

- Temperature range:** -40 ... +85°C Ambient temperature
- System voltage:** Max. 1000V
- Curvature module:** Max. 0,22m/0,3m (MES60/80, Measured in centre line)
- Guarantee:** 5 years product guarantee

