



Lightweight, flat
& semi-flexible.

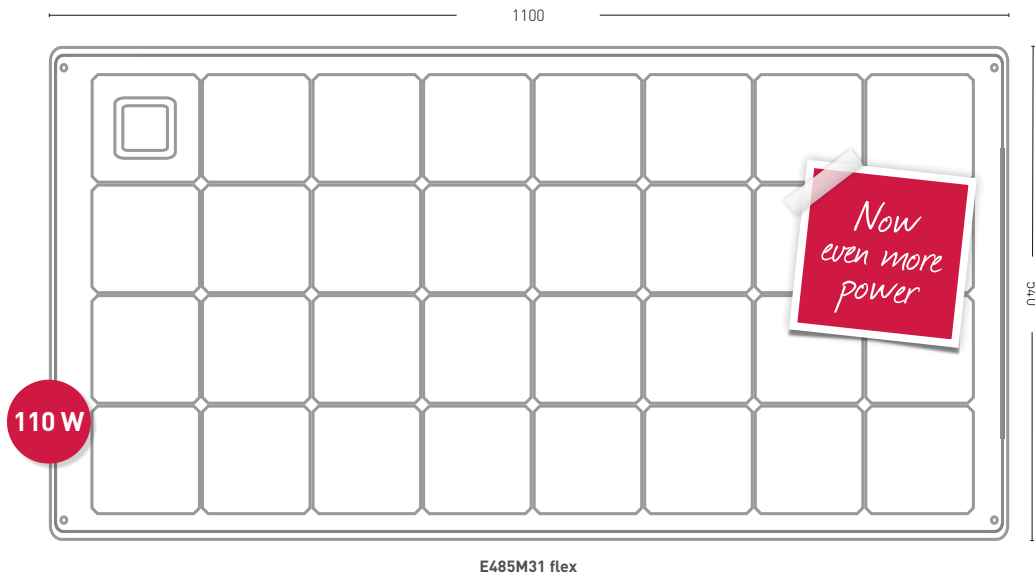
DCsolar Power Flex

TOP PERFORMANCE - FOR HIGHEST DEMANDS

- Semi-flexible solar module, stable due to a 1.2 mm aluminium support plate
- Lightweight and fully walkable
- Fully encapsulated cells by bonding front and back side foils
- Adapts to curved roof surface
- Monocrystalline solar cells with high efficiency
- Highest daily yields on the smallest surface even in low light conditions



DCsolar Power Flex



PERFORMANCE

Type	E485M31 flex
Daily output in summer in Germany (Ø) Wh/d	485
Rated output * (Pmpp) Wp	110
Short-circuit current (Isc) A	6.10
Open-circuit voltage (Uoc) V	22.3
Voltage (Umpp) V	19.2
Current (Impp) A	5.70
No. of cells	31

* Performance at STC, Standard Testing Conditions: 1000 W/m², AM 1.5, cell temperature 25° C

Dimensions and weight

Dimensions L x W x H (mm)	1100 x 540 x 4
Weight kg	4.3
Cell dimensions (mm)	125 x 125

Thermal properties

TK Pmpp %/K	-0,38
TK Uoc %/K	-0,28
TK Isc %/K	0,057
NOCT °C	46 ± 2

Used materials

Cell technology	Sunpower, monocrystalline with back contact
Bypass diodes	Integrated in cable outlet
Connection cable	5 m, 2 x 1.5 mm ²

More technical data

Reverse current IR	12 A
Measuring accuracy Pmpp at STC	-5 %/+10 %
Operating temperature range	-40°C to +85°C

