

Lightweight, flat
& semi-flexible.

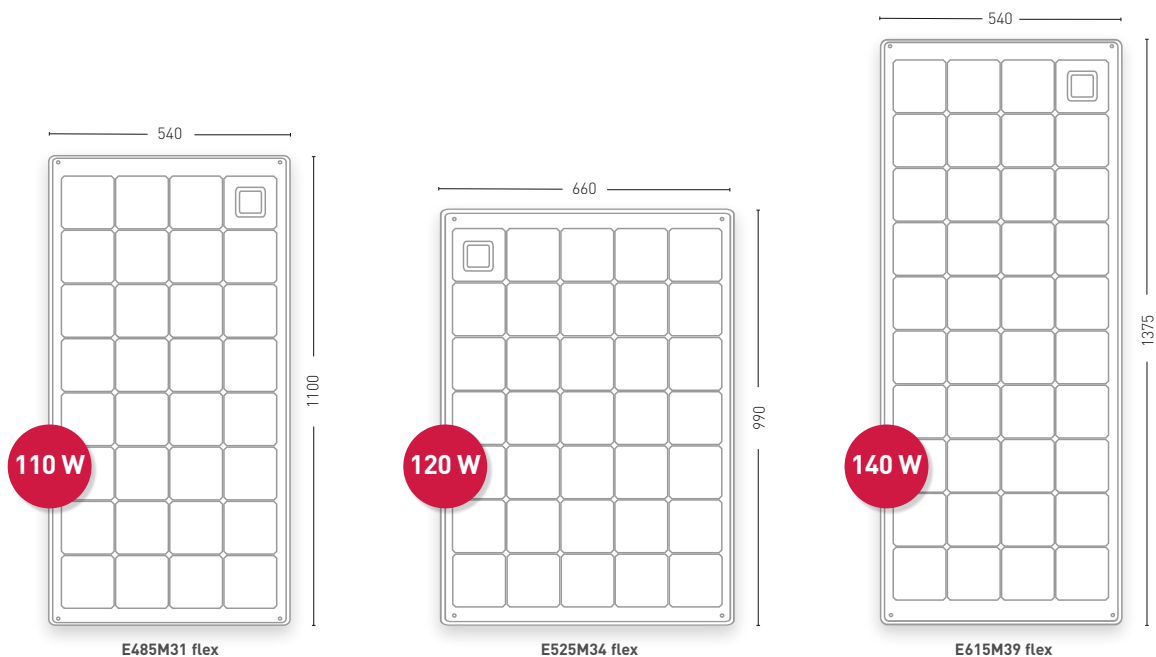
DCsolar Power Flex

TOP PERFORMANCE - FOR HIGHEST DEMANDS

- Semi-flexible solar module, stable due to a 1.2 mm aluminium support plate
- Lightweight and fully walkable
- Solar cells with over 23 % efficiency
- 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-Series



PERFORMANCE

Type	E485M31 flex	E525M34 flex	E615M39 flex
Daily output in summer in Germany (Ø) Wh/d	485	525	615
Rated output * (P _{mp}) Wp	110	120	140
Short-circuit current (I _{sc}) A	6.10	6.10	6.19
Open-circuit voltage (U _{oc}) V	22.3	24.5	28.1
Voltage (U _{mp}) V	19.2	21.1	24.2
Current (I _{mp}) A	5.70	5.70	5.79
No. of cells	31	34	39

* 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	990 x 660 x 4	1375 x 540 x 4
Weight kg	4.3	4.5	4.9
Cell dimensions mm	125 x 125	125 x 125	125 x 125

Thermal properties

TK P _{mp} %/°C	-0.29
TK U _{oc} %/°C	-1.74
TK I _{sc} %/°C	2.90
NOCT °C	46 ± 2

Used materials

Cell technology	Sunpower, monocrystalline with back contact
Front-/backside	ETFE foil at front and backside, foils welded all along the edge
Bypass diodes	Integrated in cable outlet
Connection cable	3 m, 2 x 2.5 mm ²

More technical data

Reverse current I _R	12 A
Measuring accuracy P _{mp} at STC	-5 / +10 %
Operating temperature range	-40°C to +85°C

