

FLEXIBLE PHOTOVOLTAIC MODULES FOR MOBILE SOLUTIONS

Excellent quality

- European standards (CE sign)
- Manufactured with ISO 9001/14001/OHSAS 18001
- Weather resistance
- Heavy duty

Easy installation

- At any place
- No drilling - just double-sided tape
- Mobile
- Maximum bending radius - 5 m



Practical application

- During a day 72W flex module produces up to 330 Wh which is sufficient for:

- 16,5 working hours of a 20W LED bulb
- Boiling of 3 litres water
- 61,5 working hours of an electric shaver (5,4W)
- 18 working hours of a 18,5" LED TV (12V/18W)
- 27 working hours of a mobile radio with CD player (12W)
- Charging of battery to 27,5 Ah (installation 12V DC)
- Charging of 60 iPhones 5s (battery 1440 mAh, 5,45W)



- ISO 9001
- ISO 14001
- OHSAS 18001



Technical specifications of FSP 36W: (1000W/m², AM 1.5 Spectrum, cell temperature 25°C)

ELECTRICAL PERFORMANCE

Peak Power [Pmax]:	36 Wp
Cell efficiency:	16,70%
Module efficiency:	10,40%
Max. power voltage [Vmp]:	18,68 V
Max. power current [Imp]:	1,95 A
Open circuit voltage [Voc]:	22,39 V
Short circuit current [Isc]:	2,08 A
Power output tolerances:	+/- 3%
Max. system voltage:	1000 V
NOCT:	45°C
Max. series fuse rating:	15 A

THERMAL CHARACTERISTICS

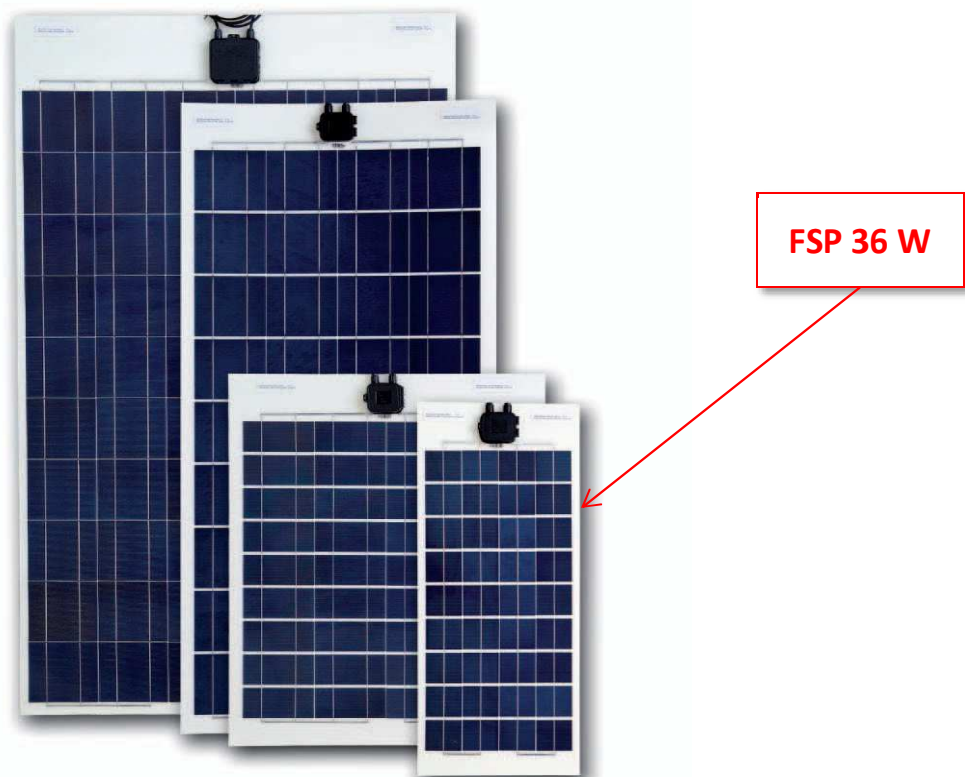
Temp. coefficient of Isc:	4,4 mA/C
Temp. coefficient of Voc:	-2,15 mV/C
Temp. coefficient of Pmax.:	-0,46 %/C

MECHANICAL FEATURES

Cell type:	poly-Si
Cell quantity:	36
Weight:	1,1 kg
Dimensions (L/W):	360 x 960 mm
Bending radius:	5 m
Thickness with no JB:	1,8 mm
Thickness with JB:	25,8 mm
Dimension tolerance:	+/- 15 mm
Plug connector type:	MC 4
By-pass diodes:	1

COLORS

Backsheet:	white
Cell:	dark blue



Technical specifications of FSP 72W: (1000W/m², AM 1.5 Spectrum, cell temperature 25°C)

ELECTRICAL PERFORMANCE

Peak Power [Pmax]:	72 Wp
Cell efficiency:	16,70%
Module efficiency:	10,70%
Max. power voltage [Vmp]:	18,68 V
Max. power current [Imp]:	3,91 A
Open circuit voltage [Voc]:	22,39 V
Short circuit current [Isc]:	4,17 A
Power output tolerances:	+/- 3%
Max. system voltage:	1000 V
NOCT:	45°C
Max. series fuse rating:	15 A

THERMAL CHARACTERISTICS

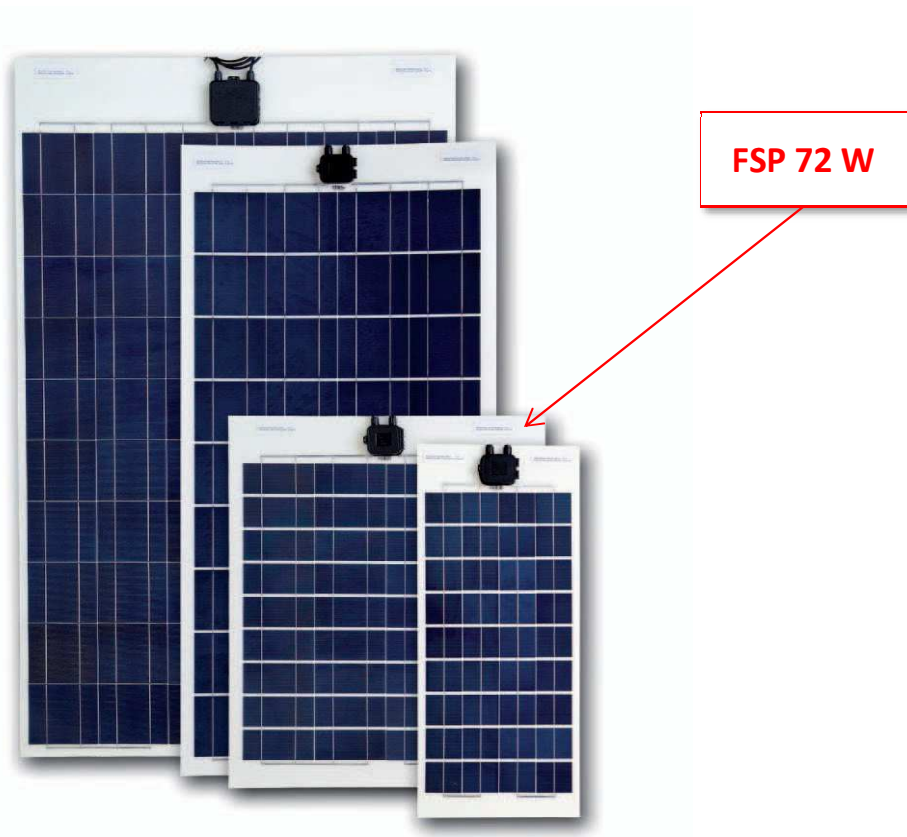
Temp. coefficient of Isc:	4,4 mA/C
Temp. coefficient of Voc:	-2,15 mV/C
Temp. coefficient of Pmax.:	-0,46 %/C

MECHANICAL FEATURES

Cell type:	poly-Si
Cell quantity:	36
Weight:	1,85 kg
Dimensions (L/W):	700 x 960 mm
Bending radius:	5 m
Thickness with no JB:	1,8 mm
Thickness with JB:	25,8 mm
Dimension tolerance:	+/- 15 mm
Plug connector type:	MC 4
By-pass diodes:	1

COLORS

Backsheet:	white
Cell:	dark blue



Technical specifications of FSP 150W: (1000W/m², AM 1.5 Spectrum, cell temperature 25°C)

ELECTRICAL PERFORMANCE

Peak Power [Pmax]:	150 Wp
Cell efficiency:	17,00%
Module efficiency:	13,10%
Max. power voltage [Vmp]:	18,90 V
Max. power current [Imp]:	7,91 A
Open circuit voltage [Voc]:	22,46 V
Short circuit current [Isc]:	8,48 A
Power output tolerances:	+/- 3%
Max. system voltage:	1000 V
NOCT:	45°C
Max. series fuse rating:	15 A

THERMAL CHARACTERISTICS

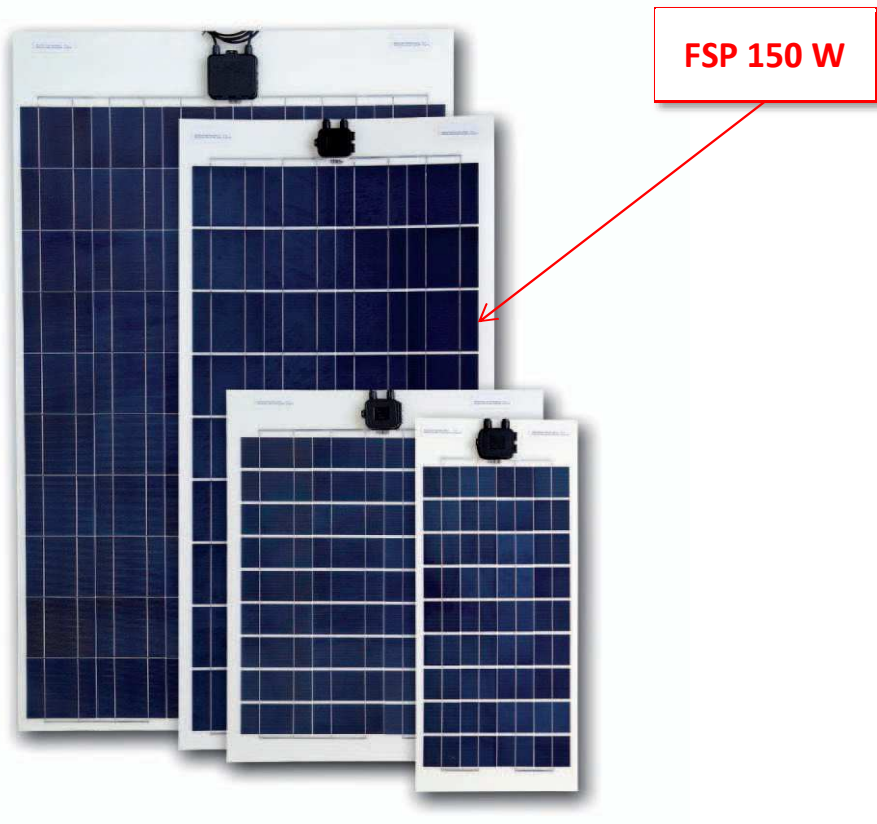
Temp. coefficient of Isc:	4,4 mA/C
Temp. coefficient of Voc:	-2,15 mV/C
Temp. coefficient of Pmax.:	-0,46 %/C

MECHANICAL FEATURES

Cell type:	poly-Si
Cell quantity:	36
Weight:	2,68 kg
Dimensions (L/W):	700 x 1640 mm
Bending radius:	5 m
Thickness with no JB:	1,8 mm
Thickness with JB:	25,8 mm
Dimension tolerance:	+/- 15 mm
Plug connector type:	MC 4
By-pass diodes:	1

COLORS

Backsheet:	white
Cell:	dark blue



Technical specifications of FSP 250W: (1000W/m², AM 1.5 Spectrum, cell temperature 25°C)

ELECTRICAL PERFORMANCE

Peak Power [Pmax]:	250 Wp
Cell efficiency:	17,00%
Module efficiency:	14,20%
Max. power voltage [Vmp]:	31,50 V
Max. power current [Imp]:	7,91 A
Open circuit voltage [Voc]:	37,44 V
Short circuit current [Isc]:	8,48 A
Power output tolerances:	+/- 3%
Max. system voltage:	1000 V
NOCT:	45°C
Max. series fuse rating:	15 A

THERMAL CHARACTERISTICS

Temp. coefficient of Isc:	4,4 mA/C
Temp. coefficient of Voc:	-2,15 mV/C
Temp. coefficient of Pmax.:	-0,46 %/C

MECHANICAL FEATURES

Cell type:	poly-Si
Cell quantity:	60
Weight:	4,53 kg
Dimensions (L/W):	980 x 1800 mm
Bending radius:	5 m
Thickness with no JB:	1,8 mm
Thickness with JB:	25,8 mm
Dimension tolerance:	+/- 15 mm
Plug connector type:	MC 4
By-pass diodes:	3

COLORS

Backsheet:	white
Cell:	dark blue

