

## Solar Cells

### KIT - 12pcs of Miniature Solar Cells



High Efficiency Miniature Solar Cell, for use with 3V motors and other small load applications. Can be combined in series or parallel arrangements for increased voltage or current.

**Suitable for:**

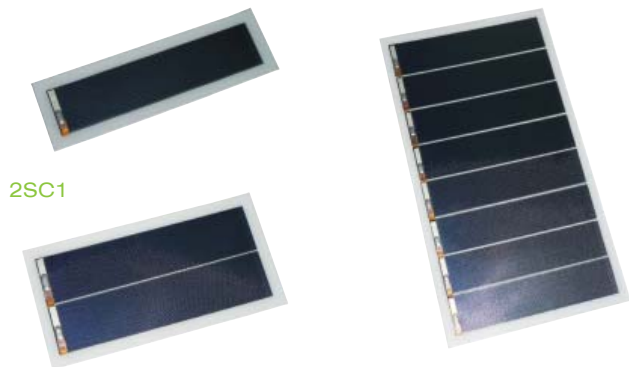
- solar lamps
- solar panels
- toys, robotics
- chargers
- light detectors

Technical Parameters	SSC2140-Z8-24/280
<b>Dimensions</b>	29,4x12,3mm
<b>Square</b>	3,6 cm <sup>2</sup>
<b>Uoc</b>	0,57V
<b>Isc</b>	90mA
<b>Pm</b>	40mW
<b>U load</b>	280mV
<b>Part No.</b>	<b>Ord.No.</b>
s SSC2140-Z8-24/280	55894

## Flexible Solar Panels

1SC1

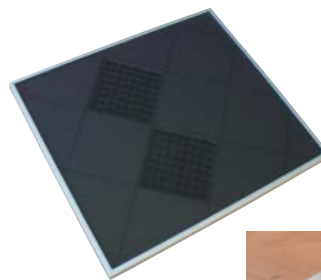
8SC1



Technical Parameters (at 25°C)	Voltage Umpp/Umax [V]	Current Impp/Imax [mA]	Power Pmpp [W]	Dimensions [mm]	Weight [g]
1SC1	1,50 / 2,5	300 / 430	0,45	60 x 198 x 1,1	20
2SC1	3,0 / 4,97	300 / 430	0,9	102 x 198 x 1,1	38
3SC1	4,5 / 7,91	300 / 430	1,35	144 x 198 x 1,1	57
4SC1	6,0 / 9,94	300 / 430	1,8	186 x 198 x 1,1	74
6SC1	9,0 / 14,91	300 / 430	2,7	270 x 198 x 1,1	108
8SC1	12,0 / 19,88	300 / 430	3,6	354 x 198 x 1,1	140
9SC1	13,5 / 22,36	300 / 430	4,05	396 x 198 x 1,1	155
10SC1	15,0 / 24,85	300 / 430	4,5	438 x 198 x 1,1	170
<b>Part No.</b>	<b>Ord.No.</b>				
s 1SC1	56566				
s 2SC1	56567				
s 8SC1	56704				

## Solar Panels from 2W to 10W

### ASI®-F framed Solar module for 12-V Applications



- More energy
- Excellent value for money
- Robust encapsulation
- Easy mounting
- 10 years power guarantee
- IEC 61646 certified



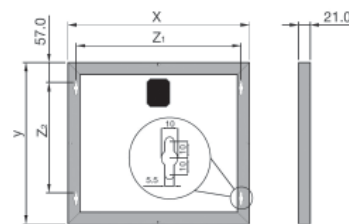
Robust encapsulation



Easy mounting

ASI®-F solar modules are available as power class 2 - 10, 16 and 32 Wp. The patented ASI®-Technology with its special stacked-cell design on the basis of silicon thin film guarantees years of unfaltering high performance. Each type of module is ready for mounting, and all parts, from the frame to the junction box, are designed for easy and inexpensive system integration. Typical applications of a 12 V system are lighting, traffic systems, telecommunication, safety technology, mini solar home systems, consumer and leisure products. ASI®-F modules combine state-of-the-art solar module technology with proven encapsulation, offering decisive advantages:

Technical Parameters	Power [Wp]	Current [mA]	Voltage [VDC]	Dimensions
ASI-F 2/12	2,1	125	16,8	144 x 293 mm
ASI-F 5/12	5,2	309	16,8	330 x 293 mm
ASI-F 10/12	10,3	613	16,8	330 x 581 mm



Part No.	Ord.No.
s ASI-F 2/12	56864
s ASI-F 5/12	56866
s ASI-F 10/12	57049

## Solar Panels from 50W to 90W

### KD Series



High-performance solar cells with a standard size of 156 x 156 mm to achieve over 16 % efficiency, guaranteeing an extremely high annual yield of energy from the photovoltaic system.

To protect against the harshest weather conditions, the cells are embedded between a reinforced glass covering and EVA foil, and are sealed with a PET foil backing. The laminate is set in a sturdy aluminium frame which is easy to assemble.

Technical parameters	Max.Power [Wp]	Current [A]	Voltage [VDC]	Dimensions
KD50SE-1P	50	2,8	17,9	706x744x45 mm
KD70SX-1P	70	3,92	17,9	778x660x36 mm
KD95SX-1P	95	5,31	17,9	1043x660x36 mm
KD180GH-2P	180	7,63	23,6	1341x990x39mm

Part No.	Ord.No.
s KD50SE-1P	74768
s KD70SX-1P	74263
s KD95SX-1P	74757
o KD180GH-2P	74702