

POLYCRYSTALLINE PHOTOVOLTAÏC SOLAR PANELS 12V

POWERS : 5W / 10W / 20W / 30W / 50W



PSP-12V-5W
PSP-12V-10W
PSP-12V-20W
PSP-12V-30W
PSP-12V-50W

Introduction:

This range of polycrystalline photovoltaic solar panels with a power from 5W to 50W is ideal for the operation of small installations such as lighting with 12V bulbs, pumping system, electric gate, alarms, road signs, boats, camper vans, weather station, electronic projects, or any other installations located on isolated sites.

These photovoltaic panels are manufactured with polycrystalline cells, thus offering higher efficiency in very sunny regions, such as Southern Europe, North Africa, and the Equator region. In fact, polycrystalline cells are less sensitive to high temperatures than their monocrystalline counterparts with less risk of overheating which could lead to a reduction in production.

These photovoltaic panels are also equipped with a sturdy aluminum frame with reinforced corners and covered with a quality weatherproof tempered glass. They also offer a neat aesthetic for a better integration in an urban environment or on a home. The 5W / 10W / 20W models are equipped with an IP44 junction box and the 30W / 50W models are equipped with an IP65 junction box with cable glands and two 90 cm red and black cables with MC4 connectors.

Hardware & Electrical specifications:

Reference	PSP-12V-5W	PSP-12V-10W	PSP-12V-20W	PSP-12V-30W	PSP-12V-50W
Power	5W	10W	20W	30W	50W
Technology	<u>Polycrystalline</u>	<u>Polycrystalline</u>	<u>Polycrystalline</u>	<u>Polycrystalline</u>	<u>Polycrystalline</u>
Voltage max	18,1 V				
Voltage open	22,3 V	22,3 V	22,3 V	22,5 V	22,5 V
Current max	0,290 A	0,560 A	1,110 A	1,660 A	2,780 A
Current SC	0,300 A	0,600 A	1,190 A	1,770 A	2,960 A
Dimensions (HxI)	231 x 185 mm	304 x 270 mm	410 x 345 mm	455 x 510 mm	520 x 662 mm
Thickness	17 mm	25 mm	25 mm	25 mm	35 mm
Weight	0,530 Kg	1,080 Kg	1,670 Kg	2,720 Kg	4,240 Kg
Operations T°	-35°C to +55°C				
Junction box	IP44	IP44	IP44	IP65	IP65
Certifications	CE / TUV / IEC61730				

Items included:

- Photovoltaic solar panel.
- Pair of red and black cable 90 cm, with MC4 connectors (30W and 50W).
- Cardboard and bubble wrap packaging.

