

Monocrystalline solar panel ETFE / JACK 18 V 100 W

Ref. 079410

The 18 V 100 W solar panel is designed to provide power when travelling to isolated locations. With a high-performance monocrystalline structure, it delivers impressive power output, even in very low sunlight or very hot weather. The ETFE coating on the surface provides increased resistance in tough conditions (impacts, corrosion in saline environments) and extends the life of the cells. Foldable and portable, this panel provides clean electricity, anywhere.

A UNINTERRUPTED FLOW OF ELECTRICITY

- The monocrystalline photovoltaic cells offer very high efficiency, converting up to 24% of the solar energy captured into electrical energy.
- With a power output of 100 W, it is ideal for powering lights, laptops or batteries (power banks, motor homes).
- Foldable and compact, the solar panel is very easy to transport.
- The control panel features:
 - 1 x 18 V DC - 100 W solar output
 - 3 x USB outputs (2 x USB-A + 1 x USB-C)

The ETFE (ethylene tetrafluoroethylene) coating greatly improves the solar panel's performance and provides:

- high light transmission for better yield.
- increased resistance to weathering, corrosion, UV rays, chemicals, etc.
- self-cleaning to prevent the accumulation of dust and particulates on the panel.



foldable and easy
to transport



Adjustable angle to obtain the best
position for capturing sunlight

AN AUTONOMOUS SOURCE OF POWER

FOR RECHARGING PORTABLE POWER PACKS

18 V DC - 100 W solar output



Fitted with the appropriate connectors, the solar panel synchronises with the power packs ([gamme POWER PACK](#)), allowing them to use their built-in solar regulation system to maintain a steady supply of power.

FOR RECHARGING ELECTRICAL AND ELECTRONIC DEVICES

USB output



With an integrated converter, the solar panel has 3 USB outputs for recharging electrical and electronic devices.

RECHARGING EXTERNAL BATTERIES

18 V DC - 100 W solar output



Using a solar controller (not included) as an interface, the solar panel can be linked to any on-board device dedicated to recharging service or starter batteries, such as a charger or DC/DC converter. It can then provide a clean source of energy to feed the battery(ies) in the vehicle, wherever needed.

Cell type	Cells in series	DC solar output					Auxiliary DC outputs			Solar controller	Maximum power	IP class	Dimensions		Weight
		P _{MPP} *	U _{MPP} *	I _{MPP} *	U _{oc} *	I _{sc} *	USB-A	USB-A (QC 0.3 - 20W)	USB-C (PD 18 W)				Folded	Unfolded	
Monocrystalline	36	100 W	19.8 V	5.1 A	24 V	5.5 A	5 V - 3 A	5 V - 3 A 9 V - 2 A 12 V - 1.5 A	not included	100 W	IP 65	52 x 59 x 30 cm	118 x 52 x 1.6 cm	3.6 kg	

*values at 25°C / 1000 W/m²