

## Portable Daylight Panels Users Guide

### OPERATION

1. Place the Portable Daylight panels in a position where it gets as much solar irradiation as possible (See POSITIONING)
2. Plug in the device. Any electronic equipment, e.g. satellite phones or laptop PC's that can be charged from a vehicle cigarette-lighter connector can be used. Refer to the user manual of the equipment you want to connect to the panels for further instructions. In some cases you may need DC adaptors or converters for your equipment.

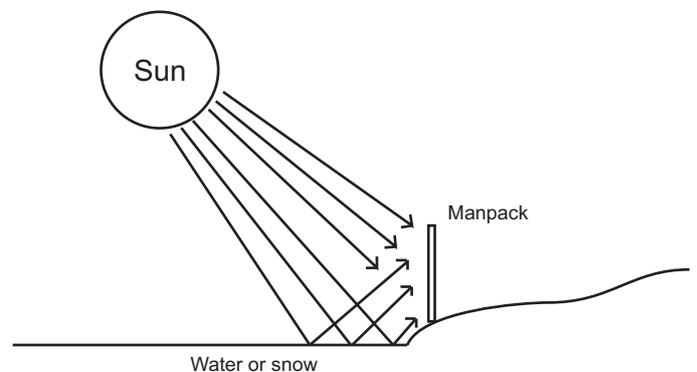
### POSITIONING

The Portable Daylight Panels don't need direct sunlight. You will get power even in cloudy conditions as long as there is enough daylight. However, the more solar irradiation that hits the solar cells, the better power output you will get. In most cases the best result is achieved when the panel is facing the sun. Point the front of the panel towards the sun (lean it against a wall or other support).

If the panel is laid on the ground, it is recommended to allow some airflow under the panel, for cooling purposes.

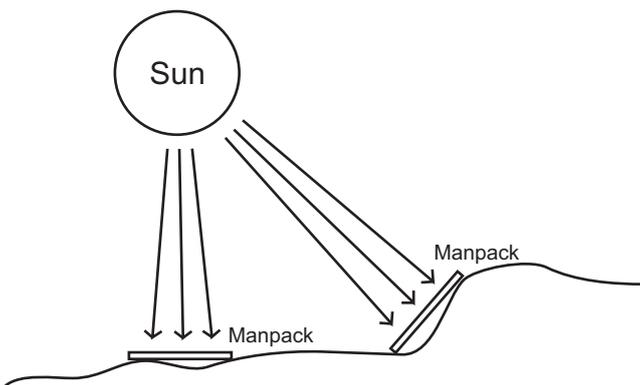
The panels will give better power output if they are kept cool. They are totally waterproof and tolerate salt water, just make sure that the connector is not exposed to the water.

In many circumstances the ground will reflect the sunrays (snow, water, etc). Positioning the panel standing (vertical) will increase the input of solar irradiation on the cells for higher efficiency.



### CARE

- Make sure that there is no dirt or moisture inside the connector.
- When disconnecting a device from the panel, do not pull on the cable; always hold onto the connector.
- Keep the front of the panel clean. Do not expose to sharp objects. The panel can be cleaned with a wet cloth and a mild soap solution when necessary.



Make sure that no part of the front of the panel is shadowed or covered. When using the T-20F, T-40 or T-60 it is important that all panels are facing the same direction.

# Technical data

The IDG Portable Daylight panels are available in black or metallic. They come with a 1,5 meter cable with connector. The panels are available in different configurations according to the table below.

	<b>IDG T-60 (3 panels)</b>	<b>IDG T-40 (2 panels)</b>	<b>IDG T-20 (1 panels)</b>	<b>IDG T-20F (2 panels)</b>	<b>IDG T-10 (1 panels)</b>
<b>Nominal power (Pmax)</b>	60 Wp	40 Wp	20 Wp	20 Wp	10 Wp
<b>Voltage at Pmax (Umax)</b>	17.9 Volt	17.9 Volt	17.9 Volt	17.9 Volt	9 Volt
<b>Current at Pmax (Imax)</b>	3.3 Amp	2.2 Amp	1.1 Amp	1.1 Amp	1.1 Amp
<b>Weight complete</b>	2960 grams	1960 grams	970 grams	920 grams	450 grams
<b>Dimensions, unfolded</b>	985x450x6 mm	655x450x6 mm	325x450x6 mm	470x345x6 mm	235x345x6 mm
<b>Dimensions, folded</b>	330x450x25 mm	330x450x13 mm	330x450x6 mm	235x345x13 mm	235x345x6 mm

The standard type connector is a Wide size connector (20 mm diameter)  
A smaller size female cigarette plug connector (12 mm diameter) is also available.



The T-FLEX system interconnects up to three panels for increased power output.



Dalénum 4, SE-181 70 Lidingö, Sweden.  
Phone: +46 (0)8 765 26 70, Fax: +46 (0)8 765 26 73.  
[www.idgeurope.com](http://www.idgeurope.com), [contact@idgeurope.com](mailto:contact@idgeurope.com)



Rev. 3