



## PowerCase

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### Instructions

#### Operation

**ON** **PowerCase** starts automatically when a power source is connected to the **MAINS** or **SOLAR/VEHICLE** plugs.

Otherwise, press the **ON/OFF** button to start.

**OFF** Press the **ON/OFF** button to turn off **PowerCase**.

Note: **PowerCase** cannot be turned off while the battery is being charged.

**When not in use, PowerCase should be turned off to avoid discharge.**  
All indicator lights will then also go off in order to maintain battery power.

#### Miscellaneous

- Maximum power output: 120 W through DC-OUT, (24 V and 12 V total) continuous.
- To obtain maximum initial battery capacity, approximately 5 full charging cycles are necessary.
- Operating temperature for **PowerCase**: -25° C to +55° C (ambient).
- Solar panels operate between -40° C and +80° C (ambient).
- **PowerCase** can be used with any of the **IDG T-**, and **TZ**-series solar panels, but with no others.
- Always use the solar panels with care, and avoid cuts, bends or dents that can cause malfunction.
- Check that cables and connecting plugs are detached and well stored when closing the briefcase lid.
- Never expose **PowerCase** to rain, particularly with open lid. The solar panels are fully waterproof.
- The standard battery packs contain Nickel Cadmium batteries (Ni-MH packs are also available). When the packs have served their time, these packs should be returned to the supplier or directly to IDG Europe AB for recycling! This will ensure that the batteries are disposed of properly with the least possible environmental effect. To remove the batteries, unscrew the three screws that hold the battery cover and two screws on the backside of the briefcase, located near the hinges. This removal should only be done when the battery packs are to be returned for recycling.
- When the battery packs have been changed or disconnected, they should be charged fully at once after re-installation, so that the capacity meter will be properly reset.

### Connections

- **DC-OUT 24 V** DC outlet 24 V, maximum 5 A.
- **DC-OUT 12 V** DC outlet 12 V, maximum 10 A.
- **DC-EXT** Connection to the external battery for extra battery capacity, 48 V. Only the external **PowerCase** battery (BatteryBag) can be used!

### Charging of the battery

- **MAINS:** Charging from any grid outlet 90-280 V AC. Cable is included.
- **SOLAR/VEHICLE:** Charging from a DC outlet 10-30 V, maximum 10 A. When using a vehicle to charge, connect the DC cable directly to the vehicle's cigarette lighter. When using the solar panels to charge, connect the DC cable to the solar panels.

### Indicators

<b>ON/OFF:</b>	Turns <b>PowerCase</b> on and off.
<b>MAINS:</b>	Green light indicates that <b>PowerCase</b> is being charged from a grid outlet, 90-280 V AC.
<b>VEHICLE:</b>	Green light indicates that <b>PowerCase</b> is being charged from a vehicle, boat or aircraft, 10-30 V DC.
<b>SOLAR PANEL:</b>	Green light indicates that <b>PowerCase</b> is being charged from the solar panels.
<b>DC-OUT:</b>	Green light indicates that <b>PowerCase</b> is turned on and ready to give 12 and/or 24 V.
<b>FAST CHARGE:</b>	Yellow light indicates fast charge from A/C or D/C. Fast charge turns on automatically and turns off when the battery is full.
<b>EMPTY BATTERY:</b>	Red light indicates that the battery is empty.
<b>BATTERY CAPACITY:</b>	Shows the battery capacity in % of the max. capacity (275 Wh).
<b>BATTERY FAULT:</b>	When a red light shows, charge the battery from the mains or a vehicle! If the light is still red, contact your supplier.
<b>DISPLAY BUTTON:</b>	To turn on the capacity meter during D/C out, press the button until the capacity meter turns on. The capacity meter turns off automatically after a while to save energy.

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