



Features

System voltage: **12 V_{DC}** | Photovoltaics: **130 W_p** |
Battery: **2400 Wh** | Incl. **1 water resistant DC-lamp** | Weight: **68 kg** | Guarantee: **2 Years**

SolarBox 200

Robust and powerful 12 Volt DC off-grid photovoltaic-system, made in Switzerland, ideal for applications where several operating hours of e.g. lights, radios, television or medicinal cooling is required, in buildings, cars or boats.

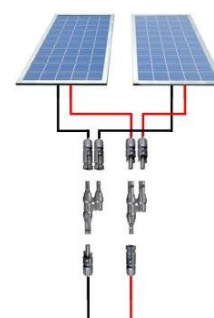
Advantages:

- **Ease of use:** Plug and Play, ready for operation after plug in of the photovoltaic-module
- **Robustness:** Developed to withstand harsh climatic conditions, solid stackable aluminum design guarantees no damage to internal electronics even under large mechanical loads
- **Quality:** All connectors protected against water and dust. Inside the SolarBox a fully encapsulated industrial charge controller guarantees the optimum performance of a maintenance-free, sealed solar gel-battery for many years
- **Modular:** Possibility to extend the system by connecting additional SolarBoxes or photovoltaic-modules in parallel
- **Flexibility:** Possibility to connect an external DC-AC Inverter
- **Mobile**

Technical Specifications

| SolarBox 200 | |
|------------------------------------|--|
| System voltage | 12 V _{DC} |
| Battery technology | Maintenance free solar gel battery |
| Battery capacity | 2400 Wh 200 Ah C10 12 V |
| Max. PV input | 300 Wp |
| Charge controller | Morningstar (USA) |
| Max load | 20 A _{DC} |
| Protection | Low and high voltage protection |
| Low Voltage disconnect / reconnect | 11.4 / 12.6 V |
| Weight of SolarBox | 68 kg |
| Dimensions of SolarBox | 0.64 x 0.29 x 0.29 m |
| Connectors | 1 x PV-In (polarity protected) 1 x In / Out battery direct (polarity protected) 3 x Out 12 V cigarette lighter connector |
| Extension possibilities | Yes, modules or Solarboxes |
| Inverter connection | Yes / external |
| Charger connection | Yes / external |
| Photovoltaic-Module (external) | |
| PV-Module (Standard) | 130 Wp (poly-Si, made in Germany) |
| Weight | 12.5 kg |
| Dimensions | 1.49 x 0.67 x 0.04 m |
| Cable | Double coated Radox solar cables 4mm ² , 6 m |
| DC Lamp | |
| Technology | 9 W _{DC} energy saving lamp, water resistant, electronic ballast integrated in lamp (not bulb) |
| Weight | 0.87 kg |
| Dimensions | 0.26 x 0.33 x 0.05 m (packed) |
| Cable | 5 m with cigarette lighter connector |
| Guarantee | |
| SolarBox | 2 years |
| Charge controller | 5 years |
| PV-Module | 7 years / 26 years performance |

Paralleling



Accessories



Mounting systems



Inverters



Chargers

Off-Grid solutions made in Switzerland



SolarBox.ch c/o Solar-Werkstatt Ltd
 Alte Obfelderstrasse 68
 CH-8910 Affoltern a.A. Switzerland
 Tel: +41-44-762 18 18, Fax: +41-44-762 18 15
 E-mail: solarbox@solar-werkstatt.ch
 www.solarbox.ch, www.solar-werkstatt.ch

