



SolarBox 200 AC

Robust and powerful off-grid photovoltaic system with integrated pure sine wave inverter, 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 SolarBox or photovoltaic-modules in parallel
- **Flexibility:** Possibility to connect an external battery charger
- **Mobile**



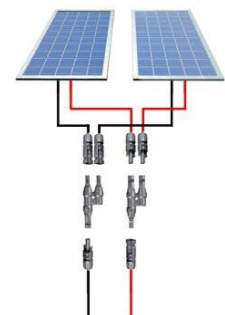
Features

System voltage: **12 V_{DC} / 230 V_{AC}** | Photovoltaics:
130 W_p | Battery: **2400 Wh** | Inverter: **200 W** |
Weight: **85 kg** | Guarantee: **2 Years**

Technical Specifications

| SolarBox 200 AC | |
|--------------------------------|--|
| System voltage | 12 V _{DC} / 230 V _{AC} |
| Battery technology | Maintenance free solar gel battery |
| Battery capacity | 2400 Wh 200 Ah C10 12 V |
| Max. PV input | 300 Wp |
| Inverter | Studer Innotec (CH) |
| Continuous power | 200 W |
| Charge controller | Morningstar (USA) |
| Max load | 20 A _{DC} |
| Weight of SolarBox | 85 kg |
| Dimensions of SolarBox | 0.78 x 0.34 x 0.35 m |
| Connectors | 1 x PV-In (polarity protected) 1 x In / Out battery direct (polarity protected) 2 x Out 12 V cigarette lighter connector 1 x Out 230 V _{AC} |
| Extension possibilities | Yes, modules or Solarbox |
| Charger connection | Yes / external |
| Protection | Safety and protection to Swiss standards. Low and high voltage protection, low voltage reconnect, overheating-, overload- and short circuit protection, RCD-protection |
| 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 |
| Guarantee | |
| SolarBox | 2 years |
| Charge controller | 5 years |
| PV-Module | 7 years / 26 years performance |
| Inverter | 2 years |

Paralleling



Accessories



Mounting systems



Chargers

Off-Grid solutions made in Switzerland



SolarBox.ch
c/o ITECO Engineering Ltd.
 Alte Obfelderstrasse 68, PO Box ,
 CH-8910 Affoltern a.A. Switzerland,
 Tel: +41-44-762 18 18, Fax: +41-44-762 18 15,
 E-mail: solarbox@iteco.ch,
 www.solarbox.ch | www.iteco.ch/solar

