



SolarBox 40

Robust and powerful 12 Volt DC off-grid photovoltaic system, made in Switzerland. Portability coupled with good performance - ideal for lighting, radio and laptops, in huts, 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**



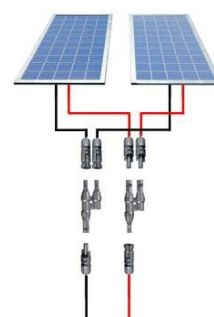
Features

System voltage: **12 V_{DC}** | Photovoltaics: **30 Wp** |
Battery: **540 Wh** | Incl. **1 water resistant DC-lamp** | Weight: **18 kg** | Guarantee: **2 Years**

Technical Specifications

SolarBox 40	
System voltage	12 V _{DC}
Battery technology	Maintenance free solar gel battery
Battery capacity	540 Wh 45 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	18 kg
Dimensions of SolarBox	0.3 x 0.25 x 0.25 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)	30 Wp (monocrystallin, aluminum frame)
Weight	3.5 kg
Dimensions	0.63 x 0.43 x 0.03 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
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 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

