



SolarBox Modular

Modular and robust solar off-grid system, made in Switzerland. Consisting of **SolarBox Control Unit** and **Battery Unit(s)**. Ideal PV stand-alone solution for large energy requirements - households, offices, schools, hospitals, telecom installations... UPS (Uninterrupted Power Supply) on request.

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 IP 66 control cabinets
- **Quality:** Optimised quality components. All connectors are protected against water and dust
- **Modular:** Possibility to extend the system by connecting additional SolarBox Control Units and Battery Units in parallel
- **UPS:** on request



Features

System voltage: **24 V_{DC} / 48 V_{DC} / 230 V_{AC}** |
Photovoltaics: **≥ 200 W_p** | Battery: **≥ 5 kWh** |
Inverter: **≥ 200 W** | **UPS** on request | Guarantee:
2 Years

Technical Specifications

SolarBox Control-Unit	
System-voltage	$\geq 24 V_{DC} / 230 V_{AC}$ 50 Hz
Inverter	Studer Innotec (Switzerland)
Continuous power	$\geq 200 W$
Charge controller	Morningstar (USA)
PV Input	$\geq 200 Wp$
UPS	on request
Connectors	1 x PV In (IP66/IP68) 1 x In 230 V _{AC} – UPS Connectors (IP66/IP68) 2 x Out 230 V _{AC} (IP 57/IP66)
Weight	$\geq 50 Kg$
Dimensions	0.60 x 0.60 x 0.40 m
Safety & protections	Safety and protection to Swiss standards. Low and high voltage protection, low voltage reconnect, overheating-, overload- and short circuit protection, RCD-protection
SolarBox Battery-Unit	
Batteries	Maintenance free Oerlikon solar batteries (Switzerland), design life 15 Years
Battery-Capacity	5 kWh C10
Weight	180 kg
Dimensions	0.60 x 0.60 x 0.40 m
PV-Module	
PV-Module (Standard)	$\geq 2 \times 130 Wp$ (poly-Si, made in Germany)
Weight	25 kg
Dimensions	1.49 x 0.67 x 0.04 m
Cable	Double coated Radox solar cables 4mm ² , 10 m
Guarantee	
SolarBox	2 years
Charge controller	5 years
PV-Module	7 years (product) / 26 years (performance)
Inverter	2 years

System examples



System-Voltage: **230 V_{AC}** | Photovoltaics: **390 Wp** | Battery: **5 kWh** | Inverter: **200 W** | Location: **Solothurn - Switzerland**



System-Voltage: **230 V_{AC}** | Photovoltaics: **540 Wp** | Battery: **15 kWh** | Inverter: **2300 W** | with **UPS** | Batterie Charger: **0 – 55 A** | Location: **Valais - Switzerland**



System-Voltage: **230 V_{AC}** | Photovoltaics: **540 Wp** | Battery: **5 kWh** | Inverter: **1600 W** | with **UPS** | Batterie Charger: **0 – 37 A** | Location: **El Hierro - Spain**



System-Voltage: **230 V_{AC}** | Photovoltaics: **780 Wp** | Battery: **5 kWh** | Inverter: **300 W** | Location: **Dubai - UAE**

Off-Grid solutions made in Switzerland



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