



Fully independent – full power

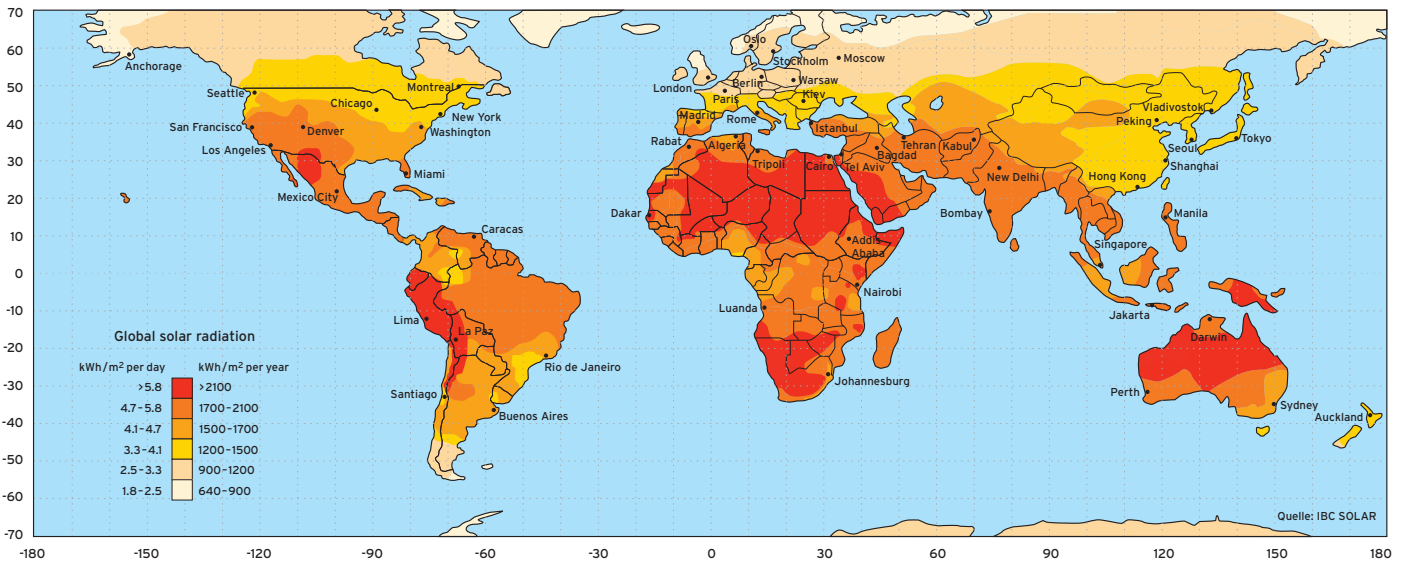
## IBC SoloHome AC 1170/24 and 2340/48

Off-Grid Complete System

Being away from the public grid does not mean you have to be without energy. IBC SoloHome AC is a complete supply system consisting of solar modules, battery, charge regulator, and inverter. IBC SoloHome thus enables you to use commercially available 230 V AC loads and 12 V/24 V DC loads, even in the most remote parts of the world. That's complete energy independence – thanks to solar power.

### HIGHLIGHTS

- Use of commercially available 230 V AC loads
- All components are perfectly coordinated
- Possible applications:
  - Garden homes and small mountain cabins
  - Weather and measuring stations
  - Traffic guidance systems



**DAILY UTILISABLE ENERGY WH/D\***

IBC SoloHome AC	1170/24	2340/48
Solar irradiation 5.8 kWh/m²/d	4735	9470
Solar irradiation 4.7 kWh/m²/d	3837	7674
Solar irradiation 4.1 kWh/m²/d	3347	6694
Solar irradiation 3.3 kWh/m²/d	2694	5388
Solar irradiation 2.5 kWh/m²/d	2041	4082
Solar irradiation 1.8 kWh/m²/d	1469	2939
Solar irradiation 1 kWh/m²/d	816	1633

\* Daily sum of utilisable energy for a system with system efficiency of 70 %.

**TECHNICAL DATA**

IBC SoloHome AC	1170/24	2340/48
Load voltage [V]	230	230
PV Power [amount × Wp]	6 × 195	12 × 195
Battery (Gel) [Voltage / Ah@C100]	24/473	48/473
Stored Energy @ 70 % DOD / 10 h [Wh]	5780	11560
Charge controller charging current / load current [A]	60/60	60/60
Inverter power [W]	800	2000
Solar cable [m]	10	10
Item number	8800100057	8800100053

08.11.2012

The IBC SOLAR Off-Grid calculator helps you to find out which system meets your requirements. Take a look at our planning tool here: <http://www.abc-solar.de/offgridplanning/index.php?l=en>

Subject to modifications that represent progress.