



Fully independent – full power

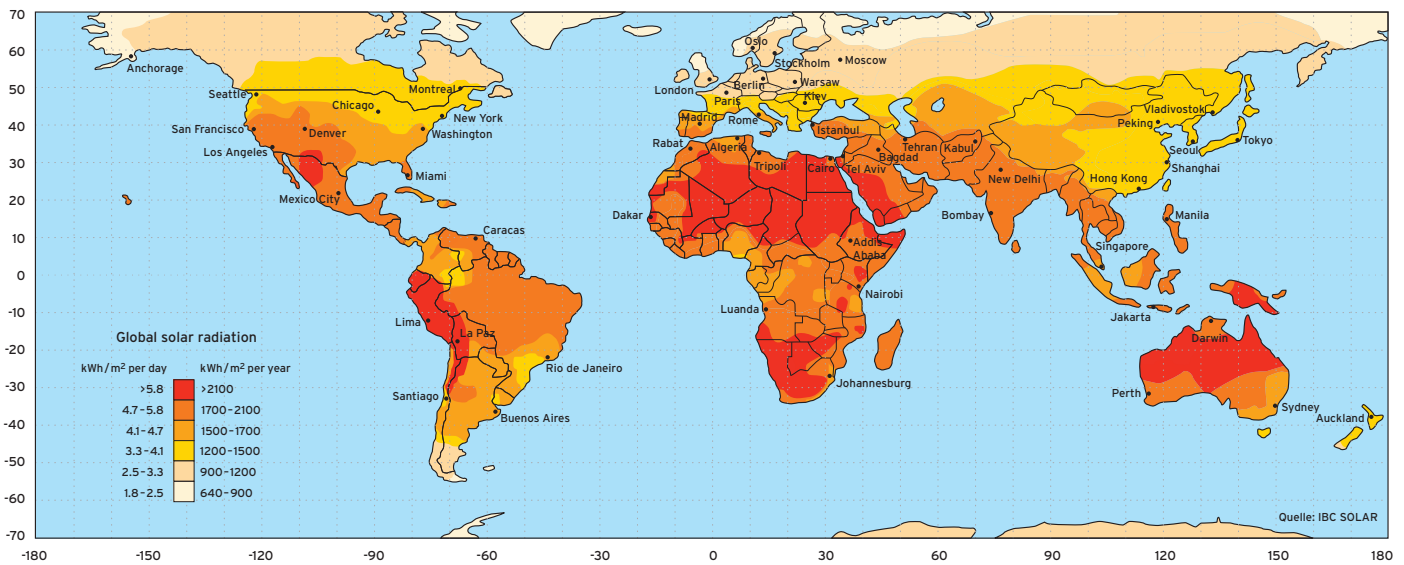
IBC SoloHome AC 135–800

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 and 12 V/24 V DC 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	135/12	195/24	390/24	600/24	800/24
Solar irradiation 5.8 kWh/m ² /d	550	790	1580	2370	3160
Solar irradiation 4.7 kWh/m ² /d	446	640	1280	1921	2561
Solar irradiation 4.1 kWh/m ² /d	389	558	1117	1675	2234
Solar irradiation 3.3 kWh/m ² /d	313	449	899	1348	1798
Solar irradiation 2.5 kWh/m ² /d	237	341	681	1022	1362
Solar irradiation 1.8 kWh/m ² /d	171	245	490	736	981
Solar irradiation 1 kWh/m ² /d	95	136	272	409	545

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

TECHNICAL DATA

IBC SoloHome AC	135/12	195/24	390/24	600/24	800/24
Load voltage [V]	230	230	230	230	230
PV Power [amount x Wp]	1 x 135	1 x 195	2 x 195	3 x 195	4 x 195
Battery (Gel) [Voltage / Ah@C100]	12/130	24/85	24/130	24/230	24/230
Stored Energy @ 70 % DOD / 10 h [Wh]	870	1240	1750	3190	3190
Charge controller charging current / load current [A]	10/10	10/10	15/15	20/20	30/30
Inverter power [W]	200	300	500	500	1000
Solar cable [m]	10	10	10	10	10
Articlenumber	8800100009	8800100011	8800100012	8800100014	8800100015

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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.ibt-solar.de/EN/offgridengineering/>

Ihr Standort: München, Deutschland

Wählen Sie Ihr Anwendungsgebiet

Maximale Geräteleistung in W: Autonomiezeit Tage:

Energieverbrauch pro Tag in Wh:

DC 500/24 AC 300/24 AC 800/24

☀️ Solare Deckung: 90 - 100%
 ☀️ Solare Deckung: 70 - 90%
 ☀️ Solare Deckung: < 70%

Energieverbrauch in Wh/d:

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Subject to modifications that represent progress.