



Full independence – full power

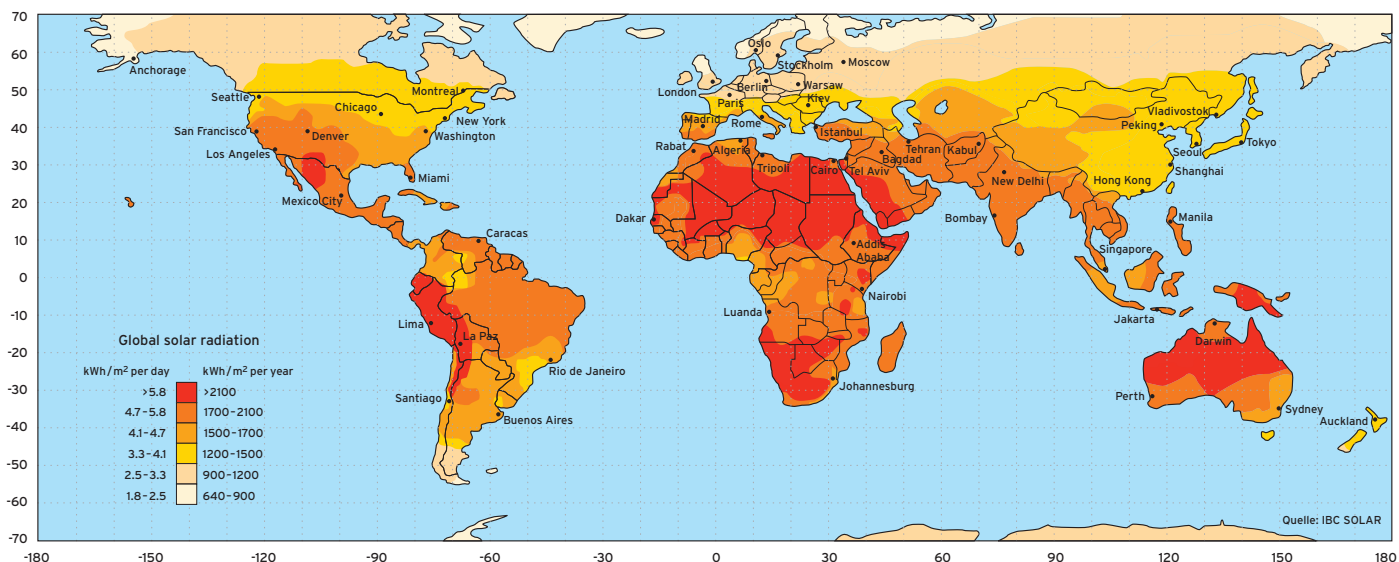
IBC SoloHome DC 65/12 to 500/24

Off-Grid Complete System

Far from the public grid does not have to mean far from electricity. IBC Solo Home DC provides a complete stand-alone power supply, consisting of solar modules, battery, charge controller and all materials necessary for installation. IBC Solo Home DC allows you to use standard 12 V or 24 V DC loads, for example when camping or for use in weekend cabins. This means full energy independence thanks to solar power.

HIGHLIGHTS

- All components are ideally matched
- Use of standard 12 V or 24 V DC loads, ideal for caravans or camping
- Applications:
 - RVs and campers
 - Summer houses
 - Weekend cabins



DAILY UTILISABLE ENERGY*

IBC SoloHome DC	65/12	85/12	135/12	270/12	500/24
Solar irradiation 5,8 kWh/m ² /d	220 Wh/d	345 Wh/d	525 Wh/d	1096 Wh/d	2375 Wh/d
Solar irradiation 4,7 kWh/m ² /d	180 Wh/d	275 Wh/d	425 Wh/d	888 Wh/d	1925 Wh/d
Solar irradiation 4,1 kWh/m ² /d	155 Wh/d	240 Wh/d	370 Wh/d	775 Wh/d	1679 Wh/d
Solar irradiation 3,3 kWh/m ² /d	125 Wh/d	195 Wh/d	300 Wh/d	624 Wh/d	1351 Wh/d
Solar irradiation 2,5 kWh/m ² /d	95 Wh/d	145 Wh/d	225 Wh/d	473 Wh/d	1024 Wh/d
Solar irradiation 1,8 kWh/m ² /d	65 Wh/d	105 Wh/d	160 Wh/d	340 Wh/d	737 Wh/d
Solar irradiation 1 kWh/m ² /d	35 Wh/d	55 Wh/d	90 Wh/d	189 Wh/d	410 Wh/d

TECHNICAL DATA

IBC SoloHome DC	65/12	85/12	135/12	270/12	500/24
Load voltage [VDC]	12	12	12	12	24
PV Power [amount × Wp]	1 × 65	1 × 85	1 × 135	2 × 135	2 × 195
Battery (Gel) [V/Ah @ C100]	12/41	12/85	12/130	12/230	24/230
Battery fuse	included	included	included	included	included
Stored Energy @ 70 % DOD (C10) [Wh]**	286	622	874	1596	3192
Max. charging current/load current [A]	6/6	8/8	10/10	30/30	20/20
Solar cable [m]	2 × 10	2 × 10	2 × 10	2 × 10	2 × 10
Item number	8800100043	8800100044	8800100045	8800100046	8800100047

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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/offgridplanning/index.php?l=en>

Your location: Aberdeen, United Kingdom

Choose your area of application

Maximum power in W: 100
Autonomous time days: 2
Daily energy consumption in Wh: 500

AC 500/24 AC 800/24 AC 2340/48

Daily energy consumption in Wh/d: 500

Legend:
● solar fraction: 90-100%
● solar fraction: 70-90%
● not suitable

Transmit values, request offer

- * Daily sum of utilisable energy for a system with system efficiency of 70 %. Subject to modifications that represent progress.
- ** To achieve the longest possible, optimum battery service life, the battery is only partially discharged. Consequently, the usable battery capacity indicated here is substantially lower than the actual battery capacity. Subject to modifications that represent progress.