



Full independence – full power

IBC SoloHome Sets

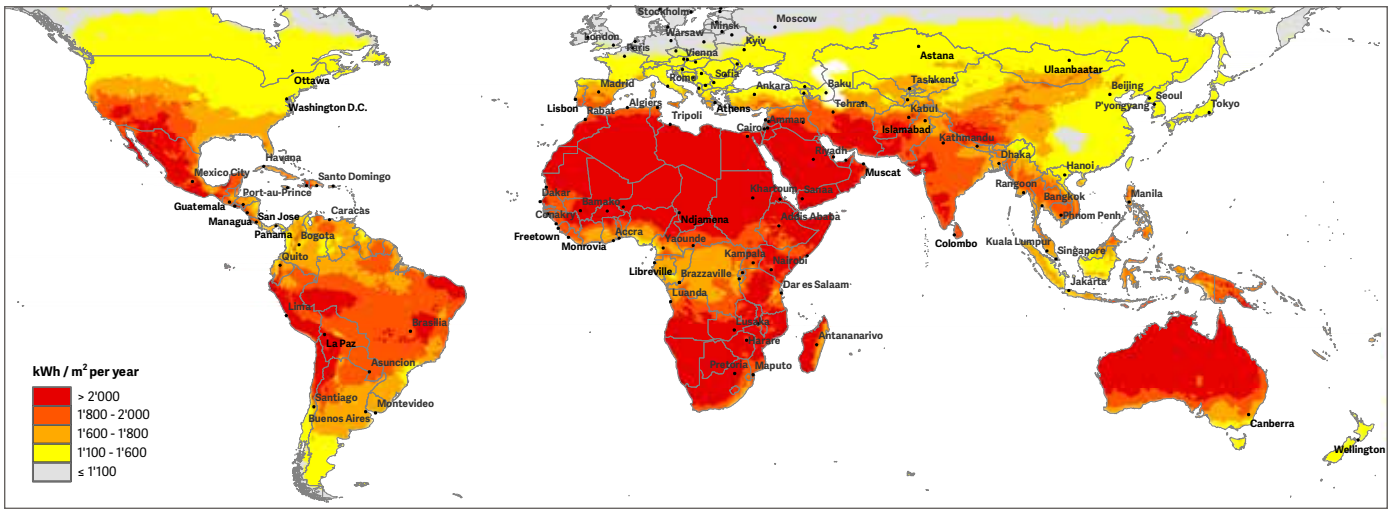
Off-Grid all in one systems

Being away from the public grid does not mean you have to be without energy. IBC SoloHome kits are complete stand-alone power supply systems, consisting of high-performance solar modules, powerful batteries, intelligent charge controllers, reliable inverters, and long-lasting and efficient cables. IBC SoloHome sets enable you to power conventional household appliances that consume 230 volt alternating current (AC), for example TV sets.

Thanks to solar power you do not have to go without basic electrical power supply - even in remote areas.

Highlights:

- All components are perfectly matched
- Perfect solution for all applications from 300 Wp - 13,000 Wp
- Plug & Play system design for easy & quick installation
- No special tools necessary due to pre-assembled cables
- Future system expansion possible



DETERMINING YOUR IBC SOLOHOME SET

Step 1: Determine your solar radiation zone in the map above.

Step 2: In table 1 select the corresponding row with the same color as your solar radiation zone.

Step 3: For calculating your daily energy demand please refer to the “Checklist – Off-Grid / Backup Systems”, which can be found in the Premium Partner Portal.

Step 4: In the same column as in table 1 you will find your IBC SoloHome Set in table 2.

TABLE 1

Your solar radiation zone (kWh/m ² *a)	Maximum energy demand in Wh per day (approximation) ¹					
>2001	1100	2750	5200	15900	16450	24650
1801 - 2000	900	2050	4100	12350	14000	23300
1601 - 1800	950	2350	4400	13700	13150	21100
1101 - 1600	600	1500	2750	8200	12050	20550

TABLE 2

IBC SoloHome Set ⁴	XXS-1-10	XS-1-10	S-1-10	M-1-10	L-1-10	XL-1-10
Article number	8800100076	8800100077	8800100078	8800100079	8800100080	8800100081
TECHNICAL DATA						
Coupling	DC	DC	DC	DC	AC	AC
Technology	PWM	MPPT	PWM	MPPT	MPPT	MPPT
Load	12VDC, 230VAC	24VDC, 230 VAC	48VDC, 230VAC	230VAC	230VAC	230VAC
3-phase possible ²	✗	✗	✗	(✓)	(✓)	(✓)
On-grid connection compatibility	✗	✗	✗	✓	✓	✓
Weak grid with backup compatibility	✗	✗	✗	✓	✓	✓
GenSet with autostart compatibility ²	✗	✗	✗	✓	✓	✓
Recommended genset power (kVA)	NA	NA	3kVA	5kVA	8kVA	15kVA
Data logging & portal ³	✗	✗	(✓)	✓	✓	✓
SPECIFICATION						
Power PV (Wp)	310	530	1200	3180	4770	12720
PV possible (Wp) ²	465	530	2800	5565	upon request	upon request
Systemvoltage (V)	12	24	48	48	48	48
Energy C10 Total (Wh)	936	4560	9120	15552	34992	46560
P 30 (VA)	500	1100	1500	2600	4400	8000
P 30 possible (VA) ²	2000	4400	6000	7800	13200	288000

Presented by:

¹ System sizing is subject to approximation. A standard energy consumption has been assumed. Sizing parameters: 1-2 autonomy days, 15-55° inclination, azimuth 0°S, less than 10% GenSet for backup runtime, loads run day and night, load curves according to our own experience.

For sophisticated system sizing calculations please fill our the “Checklist Off-Grid/BackUp System” and send it back to your account manager.

² Additional components required.

³ Local internet connection required.

⁴ Mounting system not included.

All products and services described as well as technical data are subject to change, even for reasons of country-specific deviations, at any time without notice.