



Big Dutchman®



SunBox

The intelligent battery storage system

Maximises self-consumption and minimises energy costs even further

SunBox

Make your PV system even more efficient with clever battery storage

SunBox, from Big Dutchman, will significantly increase the profitability of your PV system. Instead of feeding solar power generated during the day into the public grid for a small reimbursement, with SunBox you can use it yourself when it's cloudy or, specifically, during load peaks. You can thus cover a much larger part of your own consumption and significantly reduce your electricity costs.

SunBox is a stationary battery storage system that meets the highest quality standards. Retrofitting an existing PV system with SunBox

is simple because SunBox is compatible with virtually all inverters available on the market. Why is SunBox special?

1 Peak shaving

SunBox compensates for load peaks, thus improving energy efficiency and significantly reducing your electricity costs.

2 Time of use for controlled charging and discharging

SunBox will charge at times when grid purchase costs are low.

3 Backup power

SunBox guarantees secure power supply, even during power failures.

4 Off-grid use

Self-sufficient even without the grid: PV, battery and generator protect your power supply.

5 Smart load

Consume or store generated power intelligently.

6 Zero grid export

SunBox ensures that no power is fed into the grid.



Features of SunBox

- ✓ rack-mounted, closed cabinet and container options are available;
- ✓ quick installation due to modular design: **12 modules/cabinet = 61 kWh** (cabinet size: 589×590×2240 mm);
- ✓ flexible configuration: the battery modules can be connected in parallel for a higher capacity and performance;

Advantages of the lithium iron phosphate batteries used in SunBox:

1 Safety

The LFP batteries from Big Dutchman are neither flammable nor explosive. They can withstand very high temperatures as well as damage.

2 Long lifetime and high efficiency

High cycle stability: the LFP batteries can go through more than 10 000 charging/discharging

- ✓ intelligent management (BMS) protects against overcharging, overloading, etc.
- ✓ high-capacity, high-voltage battery system;
- ✓ short-circuit-proof and overload-proof;
- ✓ remote updates/maintenance;
- ✓ 10-year warranty or 6 000 cycles;
- ✓ grid-connected or off-grid;
- ✓ excellent value for money.

cycles before their capacity is reduced to 80 per cent – the general wear limit for batteries.

3 Proven technology

The lithium iron phosphate technology has been in use for more than 15 years.

4 Environmental compatibility

LFP batteries are made from naturally occurring minerals, do not contain any toxic heavy metals and result in much lower raw material costs.

SunBox M, L and XL, outdoor

- ✓ air-conditioned SunBox container solution available in three sizes;
- ✓ reliable emergency power supply for industrial and agricultural purposes;
- ✓ integrated fire detection and extinguishing system;
- ✓ online portal and app use;
- ✓ up to 20 MWh in parallel;
- ✓ ready for connection upon supply.

Mobile energy management

Keep everything under control with the mobile app developed by Big Dutchman:

- ✓ state of charge (SOC)
- ✓ energy flow
- ✓ load factor
- ✓ status and diagnostic messages
- ✓ statistics



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**Increase your
solar coverage rate –**

**reduce your dependence
on energy suppliers!**

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