KOSTAL BackUp Switch

A photovoltaic system with the KOSTAL PLENTICORE inverter and a connected battery storage system is perfectly complemented by the KOSTAL BackUp Switch for backup power operation.

Emergency power is good. Backup power is better.



The manual switch for backup power operation

The KOSTAL BackUp Switch is quickly and easily installed in the sub-distribution board at the mains connection point. If the power fails, only the manual switch has to be turned to backup mode.

This enables self-sufficiency - decoupled from the energy supplier's grid - from self-generated solar energy and a connected battery storage system.

KOSTAL makes it possible: After installation and commissioning, all it takes is a simple hand movement.

A special feature: For even more safety, the KOSTAL BackUp Switch has integrated cable break detection for the evaluation signal of the switch position.

All advantages at a glance

- Inexpensive to purchase & easy to use ✔
- Easy to install & requires little space (8 HP wide) ✔
- Reliable when disconnected from the mains connection ✔
- All household consumers are supplied ✔
- No separate backup output required on the inverter ✔
- Supply on all three phases with up to 63 A ✔
- A genuine KOSTAL innovation & quality made in Germany ✔

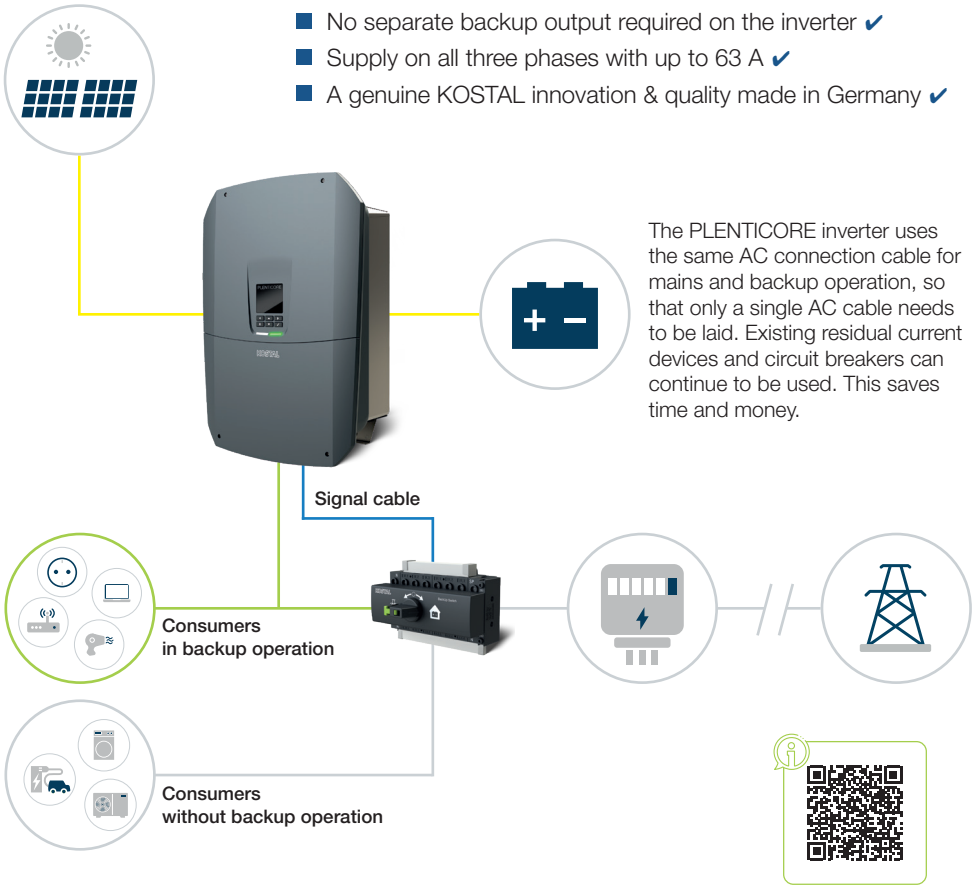
The KOSTAL solution at a glance

With the BackUp Switch, it is possible to supply individually selected circuits or the entire home network with energy in the event of a failure of the public grid.

This means that every socket, every lighting circuit and even electric roller shutters or door drives can continue to be used.

The highlight: the existing circuits can be split using two separate outputs into those that remain switched off in the event of a power failure and those that continue to be supplied by the inverter.

Backup mode should therefore be used primarily for the most important devices, which are ideally already pre-organised in a separate circuit.



The PLENTICORE inverter uses the same AC connection cable for mains and backup operation, so that only a single AC cable needs to be laid. Existing residual current devices and circuit breakers can continue to be used. This saves time and money.

More information can also be found here:
https://www.kostal-solar-electric.com/en-gb/products/accessories/backup-switch/

System comparison of backup power

Which system suits your requirements and really makes sense in practice?

We bring light into darkness!

If the power from the public grid fails, the inverter also switches off. Before it can switch to backup operation, the domestic grid must be disconnected from the public grid. KOSTAL solves this disconnection with a manual switch - the KOSTAL BackUp Switch as a cost-effective solution. The PLENTICORE inverter from KOSTAL automatically recognises the grid failure based on the missing AC voltage.

	Backup power manual	Backup power automatic	Emergency power socket
Installation effort	Low	High	Low
Acquisition costs	Low	High	Low
Handling	Operate the switch	Operator-free	Plug in consumers
Supply	All rooms	All rooms	Individual consumers
Technology	Manually	Automatically	Manually
Price/Performance	Excellent	Good	Sufficient

KOSTAL BackUp Switch with PLENTICORE

The manual switch for backup power mode



The optimum solution for this is obvious. In the unlikely event of a power failure, the KOSTAL BackUp Switch ensures a secure and easily usable supply to domestic consumers with a minimal investment.

The KOSTAL BackUp Switch is compact and space-saving to install. Only eight partition units are required in the switch cabinet so that the switch can be mounted on a top-hat rail right next to the KOSTAL Energy Meter.

After switching the KOSTAL BackUp Switch from mains power to backup operation, the KOSTAL PLENTICORE switches on again and supplies the local household grid with energy from the connected PV modules and the battery storage system on all 3 phases.

KOSTAL makes it possible!

The KOSTAL PLENTICORE inverter in conjunction with the KOSTAL BackUp Switch provides PV system operators with a clever solution for backup power in an emergency. Inexpensive to purchase, simple to install and easy to use, this configuration belongs in every modern PV system with the PLENTICORE G3.

More information can also be found here:
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