

# POWERBALL

## EMERGENCY POWER DATA SHEET

3-phase switching with separation of all conductors

Nominal voltage	230/400V
Frequency	50/60 Hz +/- 5 %
Permissible network type	TT/TN-S
Max. mains side back-up fuse	63A
Operating temperature range	-20° C to +40° C
Relative humidity	5 % ... 95 %
Protection class (IEC 60529)	IP30
Dimensions HxWxD in mm	640 x 305 x 97mm
Weight approx. (kg)	6,9 kg
Product standard (standard)	IEC/EN61439-1 (DE: VDE 0660-600-1)

**powerball**®  
energy storage systems

 *stay flexible*

Powerball Systems AG  
Glutz-Blotzheim-Strasse 3  
CH 4500 Solothurn

☎ CH +41 (0) 78 926 27 27

☎ D +49 (0) 151 23 00 88 20

info@powerball-systems.ch

[www.powerball-systems.ch](http://www.powerball-systems.ch)

PRODUCED IN SWITZERLAND

# powerball®

## EMERGENCY POWER BOX

 *stay flexible*

**THE RELIABLE, 100 %  
CAREFREE PACKAGE  
FOR**

- ⦿ **emergency power supply**
- ⦿ **off-grid and stand-alone power supply**

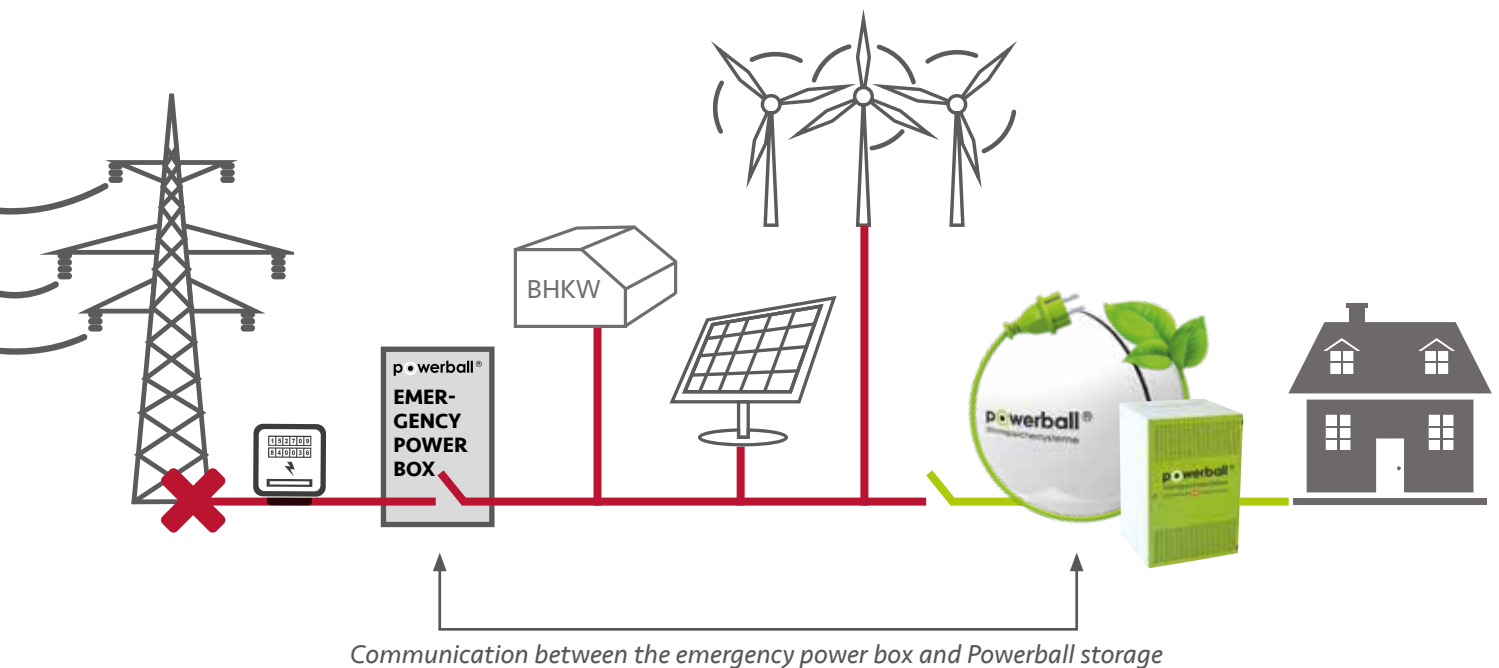
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# THE POWERBALL EMERGENCY POWER BOX AS [EMERGENCY POWER SUPPLY]

In the event of a power failure, the Powerball emergency power box independently and automatically disconnects buildings from the public grid and switches the power supply to the Powerball storage system.

Once the public grid begins to supply power again, the Powerball emergency power box switches the building independently and fully automatically back to the mains supply.

The Powerball storage system and the Powerball emergency power box ensure an almost interruption-free power supply in the event of blackouts.



## FUNCTION

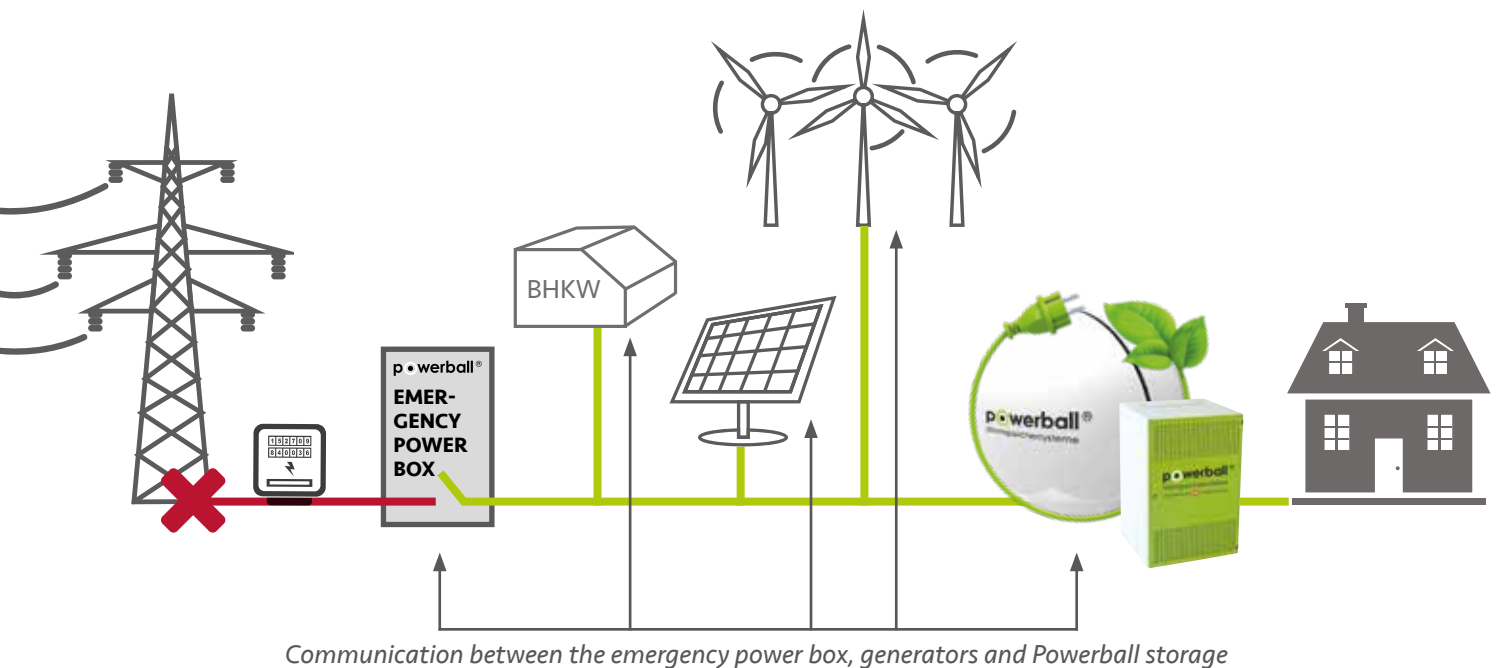
*In the event of a power failure, the Powerball emergency power box automatically disconnects a building or micro-grid from the public grid. Power is supplied from the Powerball storage system. If generating facilities are available, they are also separated from the power storage system..*

# THE POWERBALL EMERGENCY POWER BOX AS [STAND-ALONE SUPPLY]

As with the emergency power supply, the Powerball emergency power box automatically disconnects the building from the public grid in the event of a power failure. The Powerball stand-alone supply however does not use the power supply exclusively from the Powerball storage system, as with the emergency power function. Powerball storage system and emergency power box rather take over energy management throughout the micro-grid.

In the stand-alone application, all power generators and power storage units integrated in the micro-grid are controlled by the Powerball energy management system.

Once a public grid is available and is supplying power again, the Powerball emergency power box switches the building or micro-grid independently and fully automatically back to the mains supply.



## FUNCTION

*In the event of a power failure, the Powerball emergency power box independently and automatically disconnects a building or micro-grid from the public grid. The control electronics of the Powerball storage system and Powerball emergency power box take over the energy management of generators and the storage system.*