

POWER BACKUP DUAL EU

Easy installation, full backup power!

The enwitec Power Backup Dual EU is an innovative grid switching box for off-grid battery and hybrid inverters with two AC outputs ('Grid' and 'Backup'). Developed for the residential market, it offers maximum security and flexibility for your power supply.

Experience the future of power supply with the enwitec Power Backup Dual EU. Contact us today to find out more about this innovative product and how it can optimise your projects.

Enquire now and learn more!



This backup box enables all-pole disconnection of the loads from the mains and integrates customisable current monitoring to prevent overloading of the inverter relays. It can be used universally for all off-grid capable battery and hybrid inverters with two three-phase AC connections.

Technical specifications

- **Maximum 'mains' back-up fuse:** 63A.
- **Mains forms in consumer distribution:** TN-S, TT (all-pole disconnection).
- **Compatibility:** For all battery/hybrid inverters up to an output of 30 kW with integrated partial backup.
- **Backup function:** Enables 'full backup' - all load circuits can be supplied in the event of a backup.
- **Connections:** 'Backup' output on the box, 'AC Grid' Connection on site.
- **Quality standards/certifications:** CE (low voltage and EMC); EN 61439-1; EN 61439-2; EN 61439-3; EN 60255-26, EN 61000-6-2, EN 61000-6-3.

Who should consider the Power Backup Dual EU?

All operators of PV systems with battery and hybrid inverters who require a reliable backup solution.

For which projects is Power Backup Dual EU suitable?

The Power Backup Dual EU is ideal for residential projects that require a reliable and secure power supply in stand-alone operation. It is particularly suitable for PV systems with battery and hybrid inverters that offer a backup power of up to 30 kW.

What makes Power Backup Dual EU so special?

- **Universal applicability:**
Compatible with all off-grid battery and hybrid inverters hybrid inverters with two three-phase AC connections.
- **Complete backup functionality:**
All consumer circuits can be supplied in the event of a backup, without complex consumer distribution.
- **Integrated current monitoring:**
Prevents overload and protects the inverter.
- **Simple installation:**
No complex consumer distribution necessary.

Provisional compatibility list:

Producer	Type of inverter	Performance (KW)
	S6-EH3P(12-20)K-H	12 / 15 / 20
	X3 HYBRID G2 X3 HYBRID G4 X3 ULTRA	
	MOD 3-10KTL3-XH(BP) SPH4000-10000TL3BH-UP	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 4 / 5 / 6 / 7 / 8 / 10
	GW5K bis GW10K-ET GW5KN - GW10KN-ET GW15K - GW29.9K-ET GW5K- GW10K-BT	5 / 6.5 / 8 / 10 5 / 6.5 / 8 / 10 15 / 20 / 25 / 29.9 5 / 6 / 8 / 10
	MHT-4K bis MHT-12K-25 MHT-10K bis MHT-20K-40 MHT-25K bis MHT-30K-100	4 / 5 / 6 / 8 / 10 / 12 10 / 12 / 15 / 20 25 / 30
	SH5.0 bis SH10RT und SH5.0 - SH10RT-20 SH15 bis SH25T	5 / 6 / 8 / 10 15 / 20 / 25
	confidential	
	SUN-5 bis SUN-12K-SG04LP3-EU SUN-5 bis SUN-25K-SG01HP3-EU-AM2	5 / 6 / 8 / 10 / 12 5 / 6 / 8 / 10 / 12 / 15 / 20 / 25
	AC-gekoppelter Energiespeicher-Wechselrichter Hybrid-Energiespeicher Wechselrichter	5 / 6 / 8 / 10 / 15 / 20 5 / 6 / 8 / 10 / 15 / 20
	STP Smart Energy 5.0 bis 10.0	5 / 6 / 8 / 10
	RESERVE-INV-1-P10-L3-INT	10
	ECH8-20K-TH-EU	8 / 10 / 12 / 15 / 18 / 20
	H3-5.0 bis H3-12.0E und AC3-5.0 bis AC3-10.0-E H3-5.0 - H3-15.0-Smart H3-Pro-15 bis H3-Pro-30.0 AIO-H3-5.0 bis AIO-H3-10.0	5 / 6 / 8 / 10 / 12 5 / 6 / 8 / 9.9 / 10 / 12 / 15 15 / 20 / 24.9 / 25 / 29.9 / 30 5 / 6 / 8 / 10

