

NEW ENERDAY



POWERBOX 10,000

SEMI-MOBILE POWER GENERATION BASED ON PROPANE

PRODUCT

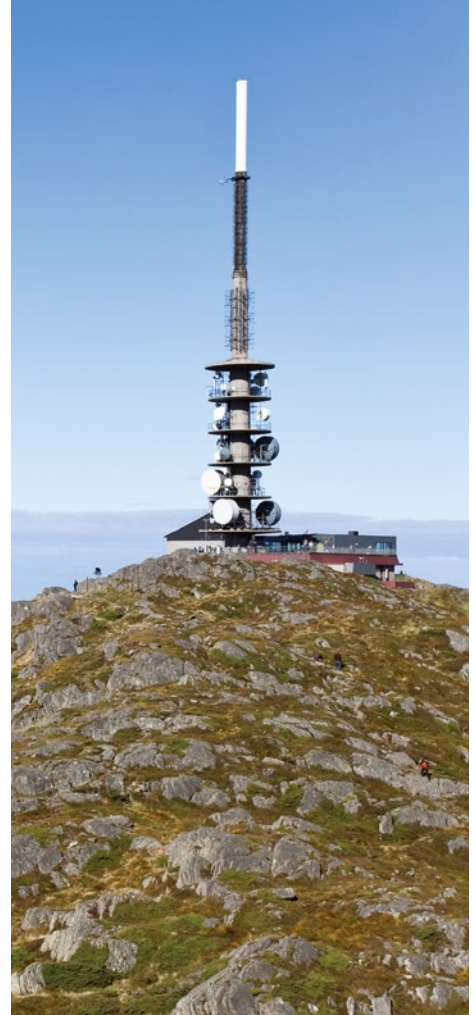
The NEW ENERDAY POWERBOX is a complete plug & play power supply for off-grid applications. The units accommodate a Remote 400 propane fuel cell generator, a PV panel, batteries, and five gas cylinders with 11 kg Propane each. 8 kWh per day can be generated over five weeks and peak loads of 10 kVA served for several minutes with full battery at 300W/24VDC.

APPLICATIONS

- + SECURITY: CCTV, custom observation, border control, access control
- + SECURITY & SAFETY: illumination, obstruction lights, speed cameras, traffic control, railroad signals and barrier system
- + TELECOMMUNICATIONS: emergency radio, first responders, microwave radio

SELECTED PROJECTS und REFERENCES

- + reliable power for level crossings and signal systems during construction works
- + power supply for air traffic obstruction lights during wind park installation phase
- + long-term backup power during blackouts
- + proven operation in Germany, Spain, Scotland, Ireland, Poland and France since 2015



AUTONOMY DUE TO

- + EASY & ROBUST OPERATION:
Plug & Play solution with remote monitoring, no test runs, no water, widely available fuel
- + LONG MAINTENANCE & REFILL INTERVALS:
up to 25 days at full load until refill, no oil change, 30 minutes service after 10,000 operating hours
- + LOW EMISSION
Less CO₂, no particulates, NO_x or SO_x, <50 dB* noise at 1 m



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Technical Data – POWERBOX 10,000

Electrical power max.	10 kVA at 230/400 VAC for 45 minutes per day
Daily generated energy	8 kWh DC or 7.5 kWh AC, plus solar yield of max. 1.5 kWh
Average electrical power generation	300 W DC / 280 W AC
Rated voltage	24 VDC and 230 VAC, 50 Hz, 400 VAC, 50 Hz
Fuel	Propane
Fuel Consumption	1.6 kg per day at full power (reduced by PV)
PV Generator	400 Wp
Battery	AGM, 24 V 660 Ah, 8 kWh usable
Gas cylinders	5 pcs. German standard 11 kg cylinders
Fuel Autonomy at full load without consideration of PV	35 days
Weight	700 kg, 1543 lbs
Dimensions (LxWxH)	1,800 x 1,150 x 1,050 mm
Ambient temperature for operation	- 20 °C to + 40 °C
Noise emission	< 50 dB(A) @ 1 m distance *
IP protection category	IP 54
Communication	TCP/IP, 4G, fuel low alarm
Water / lubricant consumption	none

* CAN BE REDUCED WITH OPTIONAL NOISE ADSORBER.