

OHM-TURBINE

GAS TURBINE GENERATOR DC

SYSTEM DESCRIPTION

The gas turbine generator represents a revolutionary innovation in mobile power supply systems.

Equipped with an intake silencer and high-current batteries, it delivers an output voltage of 28 V DC and a continuous output power of 8000 W.

A version with an exhaust silencer is optionally available. The unit can operate on diesel, petroleum or kerosene (Jet A1). Fuel consumption is approx. 10 liters per hour.

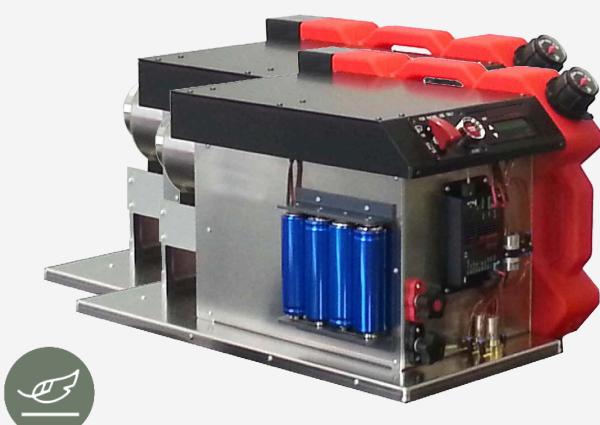
Ultra-compact design with high specific performance: total weight approx. 20 kg (approx. 25 kg with optional exhaust silencer).

SYSTEM FEATURES

- Output voltage: 28 V
- Continuous output power: 8000 W
- Immediate power output, no warm-up phase required
- Easy starting and stopping
- High power density
- Light weight
- Easy transport, even in rough terrain

APPLICATION AREAS

- Defense and disaster relief
- GPU (Ground Power Unit) for aviation
- Mobile power supply on construction sites
- Mobile power supply for emergency services



Light weight,
compact size

TECHNICAL DATA

GAS TURBINE SPECIFICATIONS

+	Housing	chrome-nickel steel
+	Gearbox	integrated, maintenance-free, metal
+	Rated speed	100.000 rpm
+	Rated turbine power	14 PS / 10.6 kW (ISA standard atmosphere)
+	Gear output speed	20.000 rpm (ratio 5:1)
+	Turbine wheel	CNC-machined from Inconel superalloy
+	Lubrication	light version - mixed lubrication
+	Fuel	direct start with Jet Fuel A1 and diesel
+	Lubrication consumption	170 ml/min
+	Operation	fully automatic, integrated starter

ELECTRICAL SPECIFICATIONS

+	Nominal output voltage	28 VDC \pm 20% (other voltages available on request)
+	Output power	8000 W

GENERAL SPECIFICATIONS

+	TBO (time between overhauls)	100h (depending on ambient conditions)
+	Dimensions (L \times W \times H)	770 \times 400 \times 450 mm (without silencer)
+	Weight with silencer	25kg
+	Noise level	69.4 dB at 10 m distance (with optional exhaust silencer)

