

MIL-STD POWER GENERATOR SYSTEMS 25KVA



Technical Characteristics

External Dimensions: 5555 x 2050 x 2168 mm

Weight: 2500 kg

The MIL-STD Power Generator Systems are equipped by the following MIL-STD subsystems:

- ✓ n. 1 Trailer System
- ✓ n. 1 Steel Canopy
- ✓ n. 4 Leveling Jacks
- ✓ n. 6 Anchoring points for lifting
- ✓ n. 1 Deutz F4M 2011 Engine
- ✓ n. 1 ECP32 3S Mecc Alte Alternator
- ✓ n. 1 Command and control panel
- ✓ n. 1 Silencer
- ✓ n. 1 Fire Extinguisher
- ✓ n. 1 Cables Reel
- ✓ n. 1 Spare Wheel Assy

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Power Generator System 25kVA (PGS) -P/N-TK10715. Power Generator system 150kVA

The Power Generator System (PGS) TK 10715 combines functional autonomy and total mobility to ensure timely intervention, rapid deployment, hardiness structural safety and simplicity of use. PGS consists of technologically advanced materials and appliances. On compact ground, it is immediately operational without preliminary works. The PG System can be used to power UAV Ground Control Station in all military environments. The 25kVA "Power Generator System" is the more recent, state of the art version of a rugged and reliable military electrical power generating source. It is easily transportable by trailer and it operates under extreme environmental conditions. It can be used in all military environments where electrical power for tactical equipment or troop support is needed. It can be mounted on a TK10354 trailer and can operate at -46°C to $+55^{\circ}\text{C}$ meeting all military requirements for humidity, sand, dust, salt spray, fungus, and altitude. This set has a solid state voltage regulator and an automatic shutdown for low fuel, low oil pressure, coolant, over temperature, and overload. The PGS complies with Machine Directive enforced.



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Stability Distortion

Stability of output voltage from alternator in steady conditions for loads between 0 and 100% and delayed 0.8 power factor: $\pm 1\%$

Stability of frequency for loads from 0 and 100%: $\pm 0.5\%$

Total harmonic distortion under voltage measured between phases and between phases and neutral with linear load: $\leq 5\%$

Overload

PGS can be powered 10% higher than rated power for 1 hour every 12 hours, without provoking any damage.

Shortcircuits & Overload Protections

PGS is protected from short circuits and overloads by automatic switches and from dispersions to ground by differential protection.

Electromagnetic Compatability

PGS is comply with emission limits set forth by European Directive 2004/108/CE, to ensure that the electric equipment does not generate any disturbance in the installation environment.



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Canopy Composition

- ✓ Bearing structure made of galvanized steel.
- ✓ Pluggings of wall and roof made of galvanized steel sheet and linked to the bearing structure by seam and/or intermittent weld
- ✓ .
- ✓ Frame and pluggings of doors and ports in galvanized steel sheet. Port closing systems by locking device.
- ✓ Hinged doors for easy access to thermal engine, generator and
- ✓ electrics appliances by key-stop device.
- ✓ Battery basket in galvanized steel sheet with anchoring system.
- ✓ Air input and output passages.
- ✓ Anti-sand gates with dust filters.

Accessories included

- ✓ 30 meters cable for power supply ÖLFLEX ® HEAT 180 SiHF type, complete with plug and 400V 63A socket.
- ✓ 30 meters of signals and alarms cable.
- ✓ 30 meters of ethernet cable ETHERLINE-P ® FLEX CAT type.
- ✓ No. 1 earth rod with yellow-green cable 10m length.
- ✓ No. 1 multipolar cable with 12 plug pole unified NATO STANAG 4007 2nd.
- ✓ Edition for military use.
- ✓ No. 1 homologated spare wheel
- ✓ No. 1 dry-powder extinguisher (6Kg).
- ✓ No. 1 rack panel for sending remote signals and alarms.
- ✓ No. 3 metal jerry cans of 10 liters.

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Enviornemtal Conditons

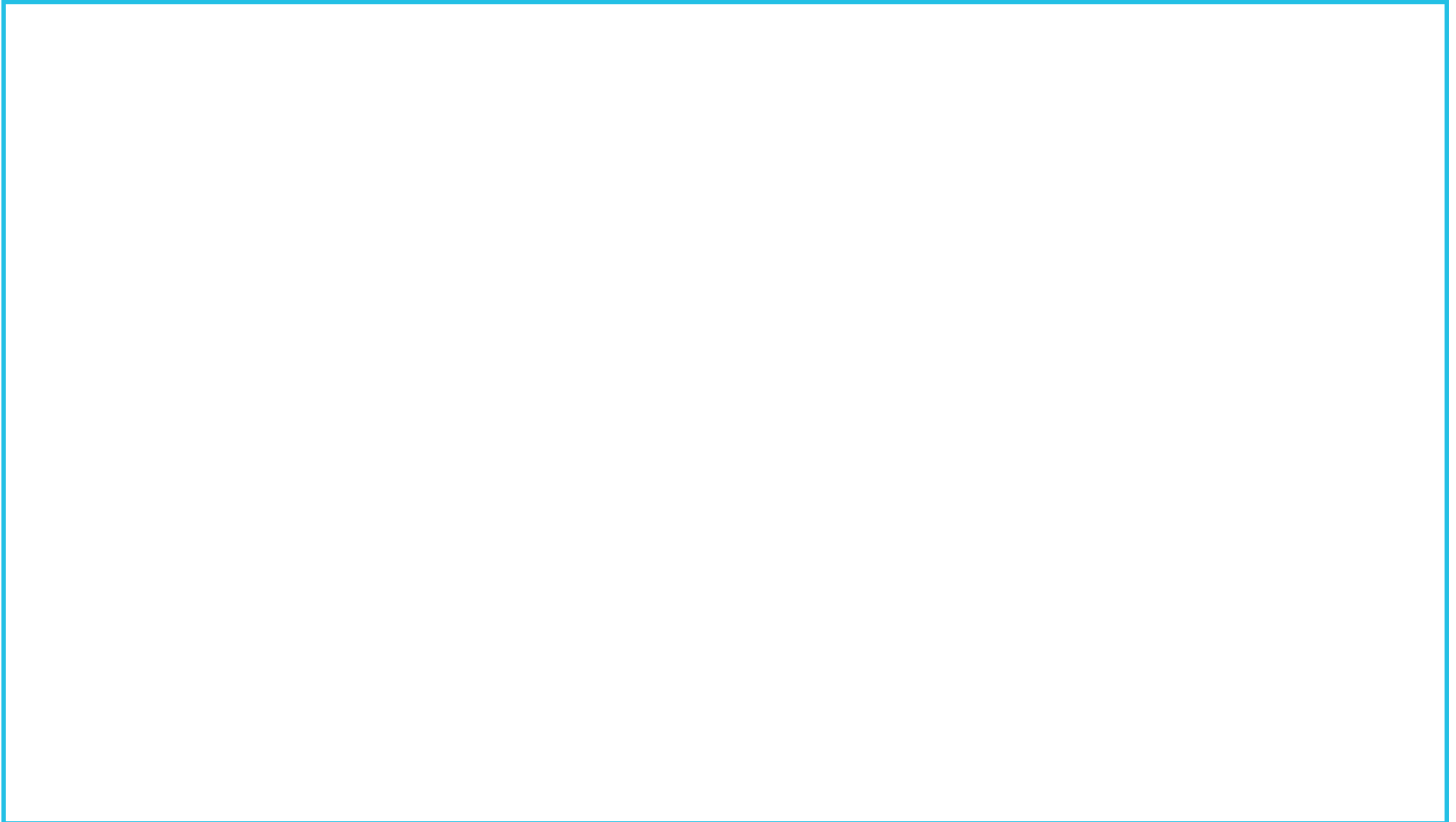
Operating Temperature: $-30^{\circ}\text{C} / +55^{\circ}\text{C}$
Humidity: 95% UR with heavy rain
Altitude: $+2.000\text{ mt to }+55^{\circ}\text{C} / +3.500\text{ mt to }+25^{\circ}\text{C}$

Mobility and Trnsport

C-130 Aircraft
Cargo Helicopter
Railway
Ship
Towing Vehicle
Truck

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