



POWER GENERATORS
TELECOMMUNICATIONS

GRUPEL GENERATORS



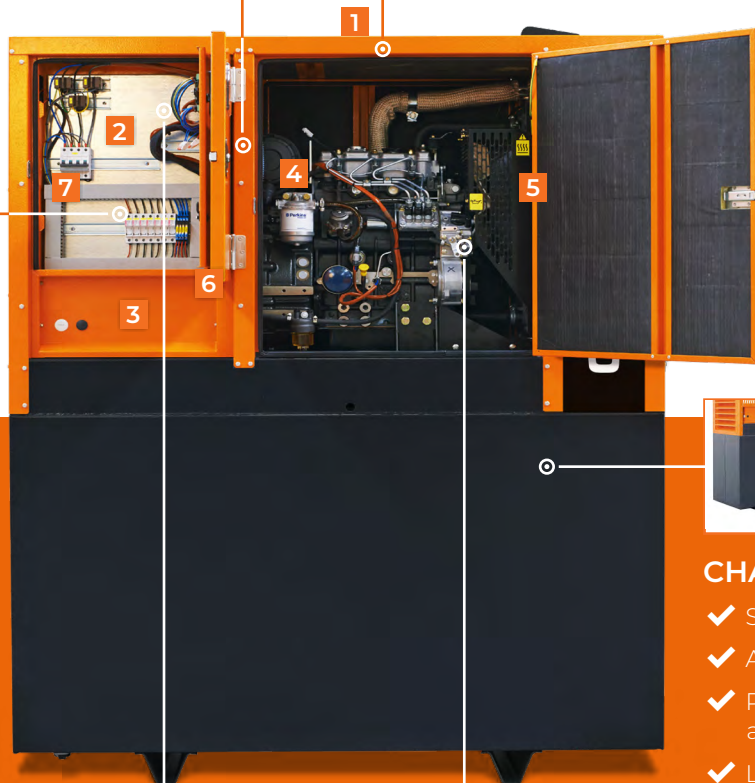
ALTERNATOR

Grupel uses alternators from the renowned Leroy Somer and Stamford, as well as its own brand, ensuring quality and reliability in any solution. With a wide range of powers, these alternators are easily coupled with a vast number of engines.



CANOPY

- ✓ Steel, stainless or aluminum sheet
- ✓ Insulated with anti-noise and anti-fire material
- ✓ Epoxy polyester paint
- ✓ Airflow efficiency for engine cooling
- ✓ Control panel with easy access
- ✓ Side doors
- ✓ Anti-corrosion treatment



AUTOMATIC TRANSFER SWITCH

This equipment switches between the main source (usually the network) and the secondary source (usually the group). Operating automatically, it is also used to connect alternating generators.



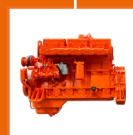
CHASSIS

- ✓ Steel frame
- ✓ Anti-vibration system
- ✓ Painting with anticorrosive treatment
- ✓ Lifting system
- ✓ Integrated tank



CONTROL PANEL

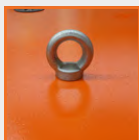
The control panel is responsible for monitoring and protecting the generators and can be considered the "brain" of the group. It is placed in the chassis in open versions or integrated in the canopy in soundproof versions.



ENGINE

Grupel uses different engines in its generators, adapting its products to the needs of its customers and to the requirements of the projects it takes on.

EXTRAS



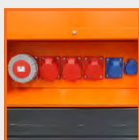
1 LIFTING EYE

Compact and ergonomic, it is the generator's lifting point, designed to lift and rotate heavy loads.



2 GSM OR ETHERNET KIT WITH INTEGRATED GPS

Kit for supervision and remote communication of the generator by GSM or Ethernet that also allows its localization via GPS.



3 OUTPUTS

Three-phase or single-phase, industrial or residential power outlets, schuko type (16A, 32A, 63A or 125A).



4 FILTERS

Designed to remove fuel and water particles from a diesel engine, they improve performance and protect it.



5 TROPICAL RADIATOR

Suitable for tropical climates, where there is a greater thermic amplitude, it prevents the generator from overheating.



6 OUTPUT BUS

Copper bus coupler that allows the transmission of energy to the outside.



7 DIFFERENTIAL BREAKER

It is a device that protects against overloads, short circuits and indirect contacts resulting from insulation defects.



Canopy door opening sensors

Anti-theft system for remote locations



Front or side opening for easy maintenance of the generator

Higher capacity fuel tank




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Chosen by Portuguese consumers for the third consecutive year.