



### Automatic Control Panel --ACP

Manual / Automatic control panel mounted on the genset, protected by a locking door, complete with digital control unit AC3000 for monitoring, control and protection of the generating set.

#### Digital instrumentation

- Generating set voltage (3 phases).
- Mains voltage.
- Generating set frequency.
- Generating set current (3 phases).
- Battery voltage.
- Power (kVA - kW - kVAR).
- Power factor Cos  $\phi$ .
- Hours-counter.
- Engine speed r.p.m.
- Fuel level (%).
- Oil pressure.
- Engine temperature.

#### Commands and others

- Selector switch with three positions for six operation modes: Off (Reset) - Automatic starting (Automatic Test) - Manual starting (Mains contactor forced / Genset contactor forced).
- Push-buttons: start/stop (up/down selection), reset, mode/view selection.
- Emergency stop button.
- DC system disconnection key.
- Acoustic alarm.
- Automatic battery charger.
- RS232 communication port.
- Settable PASSWORD for protection level.

#### Protections with alarm

- Engine protections: low fuel level, low oil pressure, high engine temperature.
- Genset protections: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage.
- Circuit breaker protection: III poles.
- Differential protection by means of AC3000.

#### Protections with shutdown

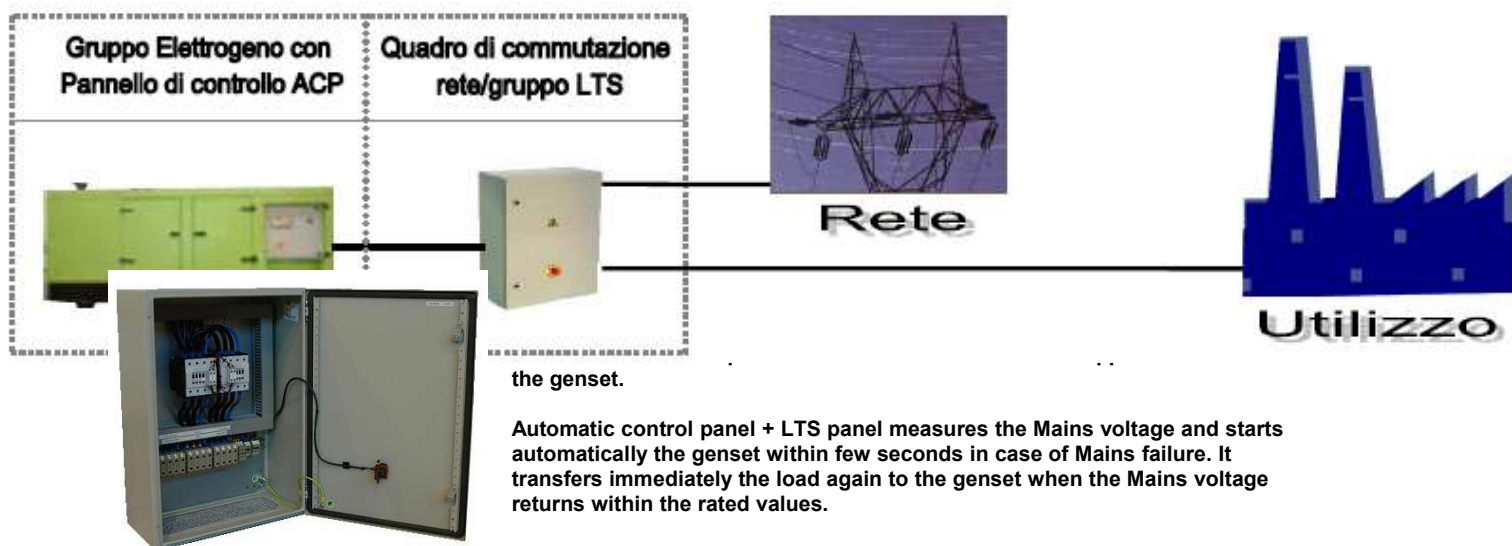
- Engine protections: low fuel level, low oil pressure, high engine temperature, low coolant level.
- Genset protection: under/over voltage, overload, under/over battery voltage.

#### Output

- Plinth row for connection from ACP to LTS panel.
- Power cables connection to terminals board (external).



### LOAD TRANSFER SWITCH - LTS panel



**Change over contactors**  
IV poles - 1.000A

**Connections**

- Plinth row for connection from ACP to LTS panel.
- Terminals board for power cables connection (Genset-Mains-Load).

**Protections**

- Contactors mechanically and electrically interlocked.
- Emergency stop button.

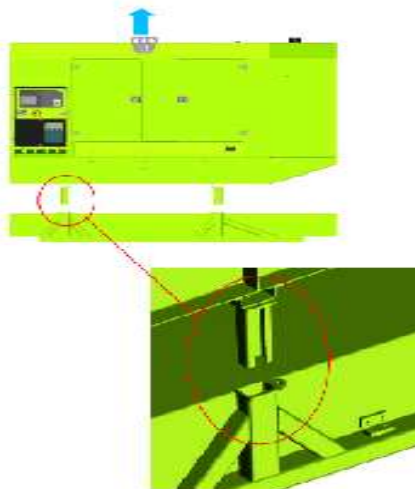
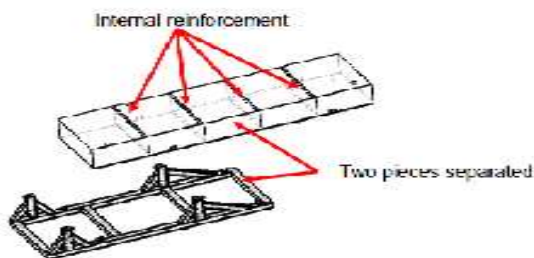


Extra fuel tank (24h autonomy)

The standard lifting system of GSW isn't capable to lift the genset and the extra tank, to avert possible problems, the structure of extra tank has a safety system that solve the wrong use that users could do.

Characteristics

- Build in sheet metal
- Capacity 1315lt for GSW330 and 1805lt for GSW510
- Complete of level alarm and connection items



Turnuri de lumina  
Energia luminoasa

Turnul far transportabil pentru seriile GBL sau GSL cu carcasa, optima pentru sectorul public si pentru inchirieri, sau pentru iluminat la evenimente speciale. Stativ hidraulic extensibil cu usurinta pana la 9 m cu sistem de siguranta. Cele 6 lampi sunt conectate la generator printr-o singura priza trifazica. Mai este disponibil si un model portabil pentru generatoare de 5-7 kva.





Sasiu omologat RAR , numere de circulatie provizorii  
Masa totala autorizata : 1300 Kg  
Sarcina utila : 950 Kg  
Dimensiuni generator : 2 x 0,92 x 1,3 m  
Dispozitiv de franare : fix  
Numar osii : 1  
Roti : 14 "  
Echipare standard :  
Osii cu suspensii incorporate KNOTT – Germania  
Frana inertiala mecanica cu autorevers - Knott Germania.  
Dispozitiv de cuplare pentru sfera cu autorevers ISO Ø50 – Knott Germania.  
Dispozitiv de sprijin cu roata pivotanta KNOTT Germania.  
Sistem de iluminare si semnalizare in conformitate cu regulamentele  
Zincat termic



Sasiu omologat RAR , numere de circulatie provizorii  
Masa totala autorizata :3500 Kg  
Sarcina utila : 2750  
Dimensiuni generator :3.4 1.25 1.68 m  
Dispozitiv de franare : DA  
Numar osii : 2  
Roti 14#8217;&#8217;  
Osii cu suspensii incorporate, KNOTT-Germania.  
Frana inertiala mecanica cu autorevers, KNOTT-Germania.  
Dispozitiv de cuplare pentru sfera ISO &Oslash;50, KNOTT-Germania  
Picior de sprijin cu roata pivotanta, KNOTT-Germania.  
Sistem de iluminare si semnalizare in conformitate cu regulamentele CE/ONU.  
Zincat termic

