



# DISCOVERY

EVERYTHING FOR INDUSTRY & SERVICES



## POWER GENERATORS



### Standby Power

Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under average of 70% load. Overloading is not permissible.

**Our Company is able to supply low and Medium Voltage Power Generator with the famous brands of engines and alternators.**

#### Engine

- INTER Heavy duty diesel engine
- Water cooled
- Tropical type radiator

#### Alternator

- VDE 0530 & IEC 34-1 standardizations
- Synchron type brushless
- Automatic voltage regulation (AVR)
- Overload acceptance: 110% for 1 hour, 150% for 2 minutes
- Short circuit resistance: 300 for 10 seconds
- Insulation class: H
- Insulation resistance: 1800 VAC
- Voltage: 230/400 V three phase
- Voltage regulation:  $\pm 0,5\%$
- Protection class: IP23
- Power factor (cosa) : 0,8
- Frequency: 50 Hz

#### Manuel Control Panel

- Microprocessed Electronic Control Panel
- Relays
- Protection fuses
- Thermic magnetic circuit breaker (TMS) 3-pole
- Emergency stop button

#### Automatic Control Panel

- Microprocessed AMF Electronic Control Panel
- Protection fuses
- Battery charger
- Power Transfer (For ATS)
- Emergency stop button

#### ENGINE

Number of Cylinder	3
Cylinder Arrangement	Vertical In-Line
Combustion System	Naturally
Fuel Consumption	Direct Injection
Compression Ratio	22.5:1
Cylinder Bore/Stroke	80 x 90
Displacement	
Cooling System	Water Cooled
Governor Type	Mechanic Governor
Electric System	12 VDC

#### Chassis

- Mounted on the steel base chassis
- Elastic vibration dampers between engine and chassis
- Chassis integrated fuel tank
- Dial type mechanical fuel indicator

#### Canopy

- Easy lifting and moving
- Metal parts are coated with electrostatic polyester coated, powder painted
- Thermally insulated exhaust system
- Acoustic insulation with rot\* proof, moisture-repellent and non-flammable material (per DIN 4102 A2)

**Please dont hesitate to contact with us to get a quotation according to your required engine and alternator.**