

## Engine Features

- Heavy duty TATA Motors Diesel Engine
- Four-stroke Engine
- Direct Injection Fuel System
- Mechanical/ Electronic Governor system
- 12 Volts DC Starter and Charging Alternator
- Replaceable Fuel Filter, Oil Filter and Dry-element Air Filter
- Cooling Radiator and Fan
- Starter Battery; including Cables
- Flexible Fuel Connection Hoses and Manual Oil Sump Drain Valve
- Industrial-Capacity Exhaust Silencer and Steel Bellows
- Operation Manuals and Circuit Diagram Documents

## Alternator Features

- Voltage: 415 V/3 phase
- RPM: 1500
- Frequency: 50Hz
- Voltage regulation:  $\pm 1\%$
- System (DC) Voltage (V): 12 V
- Brushless, single bearing system, flexible disc, 4 poles
- Insulation class H
- Standard degree of protection IP 23
- Self-exciting and self-regulating

## Controller Features

- Largest back-lit icon display in its class
- Real time clock provides accurate event logging
- Battery voltage monitoring
- Extremely efficient power save mode
- 3 phase generator sensing
- 3 phase mains (utility) sensing
- Generator/ load power
- Monitoring (kW, kV A, kV Ar, pf)
- Generator overload protection (kW)
- Generator/ load current monitoring and protection
- 4 configurable DC outputs
- 3 configurable analogue/ digital inputs
- 4 configurable digital inputs
- Configurable staged loading outputs
- 3 engine maintenance alarms
- Comprehensive warning, electrical trip or shutdown protection upon fault condition
- Engine speed protection
- Engine hours counter
- Engine idle control for starting and stopping
- Fully configurable via the fascia or PC using USB communication
- Start on low battery voltage
- LCD alarm indication

