The following features are for ATS/AMF panel for CATERPILLAR generator sets.

**General description:**

Wall/engine mounted, metal enclosed, built to IP 54 protection for indoor use, with hinged doors in front.

The equipment complies with the latest IEC. Components are latest industrial standard of reliable quality according to vendor’s standard.

This panel is designed to be genset mounted to enable the generator to have the capability transferring the load with utility.

The component could be integrated to genset inside the canopy for all canopied models.

**Range:-**

AMF panel from 30 Amps up to 4000 Amps.

Low amps range will be contactor type. High amps range will be MCCB type.

**The panel includes the following items:**

All Mantrac ATS designed to monitor the incoming generator and mains supply (1 or 3phases) for under/over voltage and Phase sequence. Should these fallout of limits the ATS will issue a start command to the generating set controller. Once the set is available and producing an output within limits the ATS will switch the load from the mains to the generating set. Should the mains supply return to within the limits the ATS will command return to the mains supply and shut down the generator after a suitable cooling run. Various timing sequences are used to prevent nuisance starting and supply breaks. Two free contact to transfer a "run" command to the genset in case of mains failure. DC Supply is not required. Indicator lamps for Mains and Generator voltage fault. Two voltmeter for mains and generator volt. Indicator lamps for breaker position Mains/Generator. Selector switch for operating modes: AUTO MODE - MANUAL MODE - TEST MODE

All the control parts are brand new components (Siemens – telemecanique – ABB - Schneider or equivalents)