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AMF PANELS FOR BTS APPLICATION

AMF PANEL manages to keep the continuity of power to the equipments by turning on the DG as and when the EB supply fails and other associated conditions meet. The controller toggles the supply from EB to DG and vice versa through a microprocessor based control logic.

We can program these logics as per the requirement. Potential free contacts are available for extending the alarm to remote locations.

DG fuel saver is a feature to minimize the DG running time and hence reduce the diesel consumption. This logic serves the BTS Battery voltage and shelter temperature and only when either of the condition exceed the fuel set limits then only the DG will be switched on and hence reduce the DG run hours.

The AMF panels are available in Indoor and Outdoor versions.



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TECHNICAL SPECIFICATION FOR 10, 15,25 & 40 KVA AMF PANEL

SL.	Description	Specification
1	Capacity	10 KVA, 15 KVA,25KVA & 40KVA
2	Input Phases	Single Phase / Three phase
3	Technology	Advanced Micro controller based
4	Protections Mains	Mains high voltage and low voltage (Settable)
5	Protections DG trip protection	HWT / HCT Low lube oil Low fuel level Over load (>110%) Emergency stop Over speed DG frequency out of range High voltage above 250V (Settable) Low voltage below 190V (Settable)
6	Delays	DG on load after DG start and the supply is OK Black out delay for 10 sec.between mains and DG contactor changeover DG cooling time – 5minutes Three attempts for DG to start with delay of 40 sec.between attempts. And like this total 43 settable parameters are available
7	Battery Charging	Inbuilt SMPS Battery charger (12V/10A) to charge the Battery up to 100 AH
8	Metering	Mains , DG Voltage , Current and frequency DG charge, DG RPM , DG run hours , DG battery voltage
9	Potential free contacts	Extendable to the external system for MAINS FAIL, Load on Mains , DG ON, LOAD on DG , DG fault , Fail to stop , Fail to start , HWT / HCT , LLOP & LOW FUEL
10	Control switches	Controller auto / manual Controller bypass DG ON/OFF Connect DG/Mains Battery Charger ON/OFF DG Emergency shut down
11	CONTACTORS FOR MAINS FOR DG	Individual for mains and DG
12	I/P MCB	As per capacity
13	DG Fuel saver	Provided
14	Application	Outdoor and indoor
15	Interface Cable	Provided between AMF & DG

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