



SYSTEM INFRA SOLUTIONS PRIVATE LIMITED

(An ISO 9001:2015, 14001:2015, 45001:2018 certified company)

AMF Panel

- ❖ Auto mains failure system (AMF) is one of the flagship products of system infra solutions.
- ❖ It can work seamlessly either on 1 ϕ /2 ϕ /3 ϕ supply and it enhances power utilization from DG, Mains and Battery
- ❖ It has an additional feature of remote monitoring and controlling over a wireless network.
- ❖ AMF follows a rational approach towards power management through
 - 1.AC Power measurement (1 ϕ /2 ϕ /3 ϕ)
 - 2.DG Parameter Monitoring & control
 - 3.Alarm consolidation
 - 4.GPRS Remote Management (optional)
 - 5.Fuel Management (Optional)
- ❖ Power Rating supported by AMF panel is 15 KVA to 30 KVA.



Indoor



Outdoor

Category	Specification		Features
Controller	support all appended logics		Support all appended logics & conditions. Has 4 spare fault channels, 20 Event fault log (name of event, time & date at engine hours)
Input logics of EB & DG	EB 1 Ph	DG 3 Ph	Automation, Manual logics performance with safety alarm provision
	EB 1 Ph	DG 1 Ph	Automation, Manual logics performance with safety alarm provision
	EB 3 Ph	DG 1 Ph	Automation, Manual logics performance with safety alarm provision
	EB 3 Ph	DG 3 Ph	Automation, Manual logics performance with safety alarm provision
DG Protection	DG Freq :46-65 Hz.		DG Freq :46-65 Hz.
	DG-LV-1Ph-180		Auto reset
	DG-OV--1Ph-260		Auto reset
	HCT/HWT		Hard reset
	LLOP		Hard reset
	LFL		Auto reset
	Over load		Hard reset
	Over speed		Hard reset
	Engine fail to start		Hard reset
	Fire alarm		PFC will be provided From Shelter Sensor, Site power to disconnect
	Engine fail to stop		Hard reset
DG start/stop	3 attempt start	As per settable	1 sec delay in every crank attempt
	1 Attempt Stop	As per settable	field settable 20 to 50 sec
DG Start / run / rest Logic (in case of EB fail & non EB) (Fuel optimizer)	Voltage DC	Below Set limit menu settable	Field settable Range - 20 -60V for 48V system
	Voltage EB	Below Set limit - Menu settable	As per set level
	Temp. Shelter	More than set limit - Menu-settable	15 - 60 Deg. C (extended temp. sensor with PFC at shelter)
	DG run In Hrs	Run-Menu settable	1 to 8 Hrs (steps of range-1 Hrs.)
	DG rest In Hrs	Rest-Menu settable	5 to 600 Minutes (steps of range-5 mts.)
Boost Charging Mode	Menu settable interval in 1 to 1440 Hrs	Continuous Power Supply for 12	Field Settable



Category	Specification	Features
Dry Contacts(PFC's)	HCT/HWT	
	LLOP	
	LFL	
	Over load	
	Over speed	
	DG Common Fault	
	DG Fail to Start	
	DG Fail to Stop	
	High Shelter Temp	
	DG On Load	From Contactor Status
	Mains Fail	From Contactor Status
Fire Alarm		
HMR Hard memory	DG Hours	Cumulative up to xxxxxxxx.x digit (7.1 digit)
	Mains Duration	Cumulative up to xxxxxxxx.x digit (7.1 digit)
DG Battery Charging	Static charger	Required in both mode DG and EB
Emergency S/w	Required	
Indicating & recording parameters (can be covered under controller display)	Required	
	EB - DG Voltages	Indicating
	EB - DG load	Currents
	EB - DG frequency	Currents
	KWH	Cumulative temper proof
	DG HMR	Cumulative temper proof
EB HMR	Cumulative temper proof	
Visual Indication(LED)	Load on mains, Load on DG, DG failure, DG start failure, Engine overload, HCT & LLOP and Over Speed. Charging	Load on mains, Load on DG, DG failure, DG start failure, Engine overload, HCT & LLOP and Over Speed.
Indicating gauges	Fuel Level indicator	
	High cylinder/water temperature gauge	
	Oil pressure gauge	
Switches/Push button	Auto/Manual, Mains contractor & DG Contractor ON, engine start.	
	AMF bypass switch (for mains & DG supply)	
Earthing Bar		Earth connection bar inside the panel, with provision of 5 to 8 holes of 8mm dia.
Cable & accessories	Power cables as per KVA rating of DG	





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