

Power Backup Solutions and Products

3 Phase Lift Inverter



POWER BACKUP SYSTEM FOR


LIFTS, Shopping Malls Lightings, Air Conditioners, Process Industries, 3Ø Motors, Pumps.

The Power Backup System is essentially meant for Lifts installed in multi stored buildings, Offices, Mfg. Plant, Shopping Malls, Etc. This System ensures that the above applications continues to operate as if nothing happened even after the electricity failure. One doesn't need to rush to start the generators. The system is always alert and has the intelligence to sense Power Failure. This user friendly System is compact in size and are tailor made to particular sites.

SYSTEM OPERATIONS

In the normal condition when the electricity is available, the LIFT (Application) is directly connected to the Mains power and small portion of the Mains supply is used in charging the storage batteries. In the event of electricity failure the System instantaneously senses it and generates AC power from the batteries. All these activities are carried out within few seconds thus ensuring that the Applications remains without power only for few seconds. When the Mains supply resumes the Applications are automatically switched over to it and a small portion of it is again utilized for charging of the batteries. This cycle is repeated again during the next power failure.

These Systems are available in various models and different capacities to suite all available Lifts & Other Various Capacities of Applications. The System is specially designed unit. The battery bank has the capacity to take care of power failure for fairly long time upto 8 to 10 hrs. The common lighting load such as Staircase, Parking can also be connected on the same system. In case of a multi building complex options can be considered for providing single unit for number of lifts etc. on prior site checking for Lift Application.

Model	UNIQUE	
Rating	3 KVA to 50KVA	
Technology	MOSFET/IGBT, Micro Controller Based, High Frequency	
Input Voltage	Window 415V + 10% - 15%, 47 - 52Hz	
Output Voltage	400V + / - 1%	
Output Frequency	50Hz + / - 0.5Hz	
Output Waveform	PWM Pure Sine Wave	
Inverter Efficiency	>85-92% depending on DC voltage	
Acoustic Noise	>45Db at 1 meter	
Audible alarm	Mains Failure, Battery Low, Battery Low Trip	
Battery Voltage	120VDC to 360VDC depending on model	
Backup Time	1 Hour to 10 Hours At full load.	
Type of Batteries	Pested Plates / Tubular / Sealed Maintenance Free	
Recharging time	10 Hrs. for 90% Capacity	
Protections	OUTPUT :- Over Voltage, Under Voltage, Over Load, Short Circuit. BATTERY :- Over Charging, Low Battery.	

Specification are subject to change without prior notice.

