



At any time...the sky never seems too far !



*Enviro Systems*



We have grown as a quality driven solutions provider in the area of power electronics. Manufacturing superior products and keeping an agile service support has helped us serve many a reputed businesses in dynamic sectors like banking, IT, hospitals, educational institutions & various other business set-ups.

We know your concern about having a dependable back-up system for your lift/elevator. Hence, we present a super sophisticated and well-designed power back-up system - **Enviro**.

We are sure that **Enviro** is ideal to satisfy your need to the fullest. More importantly, it has a strong service/maintenance support to ensure a hassle free operation and complete contentment of owning the product. Our satisfied customers prove the soundness of the technology.

## Advantages

### Environment Friendly

Unlike Diesel Generator, Enviro does not emit smoke, neither it makes noise. So It is absolutely pollution free & environment friendly.

### Highly Reliable

Use of selected good quality components, use of proven technologies and following highest standards of Engineering practice ensures very high reliability of the product.

### Very Flexible

The products in Enviro family are extremely flexible and are available in tailor made configurations and multiple architecture to suit every individual installation requirements.

### Easily adaptable

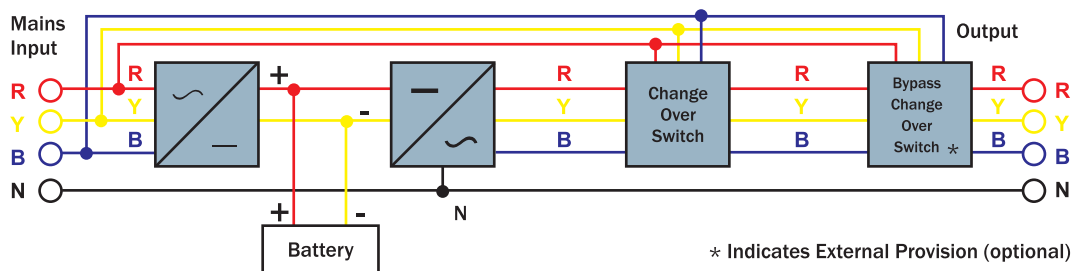
Enviro can support single or more number of lifts. It is compliant to user specific Programmable logic of operation. In addition, it supports lamps and bulbs to illuminate the area around lift. Therefore, it is adaptable to various operations.

### Swift Service

Enviro holds its name by the virtue of its superior service commitment and dedication. Hence, there is always a sense of urgency in dealing with maintenance calls.

## Why Enviro ?

Type	Static electronics device	Electro-mechanical device
Cost	Is more economical than generator	Is costlier than ELOS
Extra Cost	No additional circuitry acoustic covering (canopy) & hidden costs.	Requires AMF panels, acoustic covering etc
No Load Condition	Utility of battery power is only during operation of the LOAD.	Generator is required to be kept ON in NO LOAD condition also, hence un-necessary usage of fuel.
Noise	Absolutely noiseless	Very noisy.
Changeover Time	Auto changeover within few milliseconds.	Has to start manually.
Recurring Cost	Negotiable if maintained properly.	Fuel (diesel) & maintenance cost is more because of wear and tear due to internal rotary mechanical parts.
Life	Life of equipment is more than Generator Batteries can last for 3 to 5 years if maintained periodically.	Lesser than Enviro. If extended, the expense of alternator and other spares replacement is considerable.
Pollution	Absolutely pollution free & environmental friendly.	Emit smoke, fumes & noise.



## Technical Specifications

**RANGE** 1KVA to 100 KVA

### Input Section

Voltage 415V AC (+ 10%,- 15%), 30 , 3W  
Frequency 50Hz,  $\pm 2$  Hz.

### Output Section

Voltage 415VAC ( $\pm 2\%$ ), 30  
Frequency 50 Hz ( $\pm 0.1$  Hz)  
Changeover Time few Mili sec.  
Power Rating As appropriate to the Load requirement (From1KVA to100KVA continuous duty cycle)  
Power Factor 0.6 lagging to Unity  
Crest Factor  $>2.5$   
Wave Form True Sine Wave  
Harmonic Distortion  $<5\%$   
Efficiency  $>90\%$  at 75% load and rated input

### Housing

Type Self-supporting M.S. Cubicles  
Finish Epoxy Powder Coating  
Option Caster Wheels

### Batteries

Type Lead Acid Inv. grade / Tubular / Sealed Maintenance free  
Capacity Depends on Load & Back-up Duration required  
DC Voltage 240V DC, 360V DC.  
Charging ATM (Auto Trickle Monitoring) charging Technique for longer life of Batteries

### General

Ambient Temperature  $5^{\circ}\text{C}$  to  $45^{\circ}\text{C}$   
Relative Humidity 95% RH (Non-Condensing)  
Protections Short circuit, Over & Under voltage , Battery over & under voltage, Overload  
Metering Output voltage

## Other Products

- DC-DC Converters
- DC Regulated Power Supplies
- Static Voltage Conditioners
- DC-AC Inverters
- High Performance UPS Systems
- Automatic Voltage Regulators
- Frequency Converters
- Telecom grade Inverters / Power Supplies
- Special Purpose Power Supplies



**H.O.:** Shop No. 1, 1173, Sadashiv Peth, 'Ashirwad Apts', Limaye Wadi, Pune-410030 **Tel.:** 020-24475965/ 32914318

**Mobile:** 9822017652/ 9922417653 **E-Mail:** envsystem@gmail.com / envsystempune@vsnl.net

**Regd. Office:** 6, 'Shilptula', S. No. 157/28, D.P. Road, Aundh, Pune-411007 **Work:** S. No. 129, Vadgaon Dhayari, DSK Road, Pune-410041