



**Uninterrupted,  
Smooth, and  
Reliable Power  
Backup for  
Elevators**



✓ RoHS CE



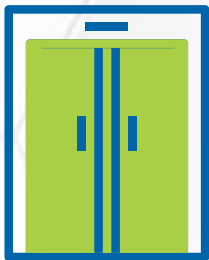
# Why Settle for Less?

Your elevators deserve the best-in-class power backup solution that not only keeps them running but does so with unmatched smoothness, safety, and reliability.

Introducing the **E-POWER** Lift Backup **ONLINE UPS**, where cutting-edge tech meets rock-solid performance with safety at its core.



## E-POWER ONLINE UPS SYSTEM SPECIALLY DESIGN FOR REGENLIFT POWER BACKUP SOLUTIONS



### Applications

- Residential Buildings
- Commercial Buildings
- Hospitals
- Industrial Elevators
- Escalators

### Features

- No-Break Backup
- No Jerks, Only Smooth Rides
- Handles **Regenerative** Power Efficiently
- Higher Efficiency
- Intelligent Monitoring and Control
- Compact and Robust Design

### E-Power UPS is designed for 100% unbalanced load

If the Customer desires, emergency loads such as Lights, CCTV, or any other single phase loads can be handled by **UPS**

### E-Power UPS provides longer battery backup and life

In the case of **Regenerative** drive, the back EMF would be fed back into the local grid during Mains mode, and during mains failure, this power will be utilized to recharge the battery, eliminating the need for a dissipating circuit to burn back EMF completely. This will ensure that the battery delivers a significantly longer life and runtime as compared to online UPS or asynchronous Inverter system.

### Advantages of Lift UPS over DG

- Economic (Less initial investment for developer as well as less running cost for the society)
- Compact in size, can be installed underneath the stair case or in Lift machine room )
- Eco friendly – no air, noise pollution
- Fully automatic – no manual intervention required
- Safe – uses electricity unlike highly inflammable fuel - diesel, no moving parts so no vibrations and no worry of structural stability.

### Why Choose E-Power UPS?

E-Power UPS has built a reputation for delivering power you can rely on.

Our online ups solutions are crafted with care and tested for Indian conditions.

When you choose E-Power UPS has:

- You ensure 24x7 elevator Power Backup availability
- You prevent emergencies
- You enhance building safety

Our support team is always available for service and consultation, making us a preferred partner for UPS-powered lift systems.

# True Online UPS

3 Phase in / 3 Phase Out



## TECHNICAL SPECIFICATION :

MODEL	EPX4010	EPX4020	EPX4030	EPX4040	EPX4060	EPX5080	EPX50100
Capacity (KVA)	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA
<b>INPUT</b>							
Rated Voltage	380V / 400V /415V AC (3Ph+N+PE) (50Hz± 1.5Hz)						
Voltage Range	+20%, -20%						
Rated Frequency	50 Hz (Auto Sensing)						
Frequency Range	50Hz ± 1 Hz						
Power Factor	>0.96						
Harmonic Distortion (THDi)	≤ 3%						
Technology	Double Conversion true online High Frequency PWM Inverter Using IGBT						
<b>OUTPUT</b>							
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE) (50Hz± 1.5Hz)						
Voltage Regulation	±1%						
Frequency	50Hz Synchronised with Utility in Mains Mode; 50 Hz ± 0.1 % in Battery mode						
Power Factor	0.9 Above Unity Power Factor						
Waveform	Pure Sine-Wave						
Crest Factor	3:1						
Harmonic Distortion (THDv)	□ < 1% (Linear Load), <3% (Non-Linear Load)						
Efficiency	Up to 90% (with inbuilt isolation transformer at input site) Dual Conversation Mode, 99% ECO Mode						
Transfer Time	Zero						
Overload Capability	110~125% for 30 Min, 125~150% for 30Min, >150 for 300 ms						
<b>BATTERY</b>							
Nominal DC Voltage	360/384V DC						
Number of Battery	30 ~ 40 Nos. (Configurable)						
Charging	Three-Stage Charging, Auto Switch Floating / Equalizing Charge						
<b>SYSTEM FEATURES</b>							
IP Rating	IP 20						
Alarms / Protection	Battery Low, DC High, Inverter Under/Over Voltage, Overload, Short Circuit, Fan Failure & UPS Fault, inverter trip, Over Heating, Over Temperature, Input Phase Failure						
LED Indications	R Input, Y Input, B Input, Rect. On, Boost. Chg., Rect. Trip., Mains Ok, UPS on Battery, UPS on Mains Over Load Low Battery						
LCD Display	Input, Bypass, Inverter, Output Voltage & Frequency / Current / KVA / KW / PF / Load %, Battery Voltage, DC Bus Voltage, Charging & Discharging Current						
Voltage Regulation	Balanced Load ± 1%, Unbalanced Load ± 2%						
Phase Displacement	Balanced Load 120° ± 1°, Unbalanced Load 120° ± 2°						
Inverter Short Circuit Current	3 times the full load current						
<b>ENVIRONMENTAL</b>							
Temperature	Operating: 0~ 50°C, Storage: -10°C ~ 55°C						
Humidity / Altitude	0~95% RH Non-condensing / <1500 M						
Noise	max 65dBA at 100% load / <55dB at 50% load						
<b>STANDARDS</b>							
Quality	ISO 900 , ISO 14001, OHSAS						
Safety	IEC/EN62040-1						
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE						
<b>PHYSICAL</b>							
Dimensions WxDxH (mm)	465x820x890	465x820x890	465x820x890	465x1020x1180	465x1020x1180	465x1020x1180	465x1020x1180
Weight (Kg)	110kg	110kg	140kg	180kg	180kg	210kg	210kg
<b>COMMUNICATION INTERFACE</b>							
Standard	RS-232 / RS-485						
Optional	SNMP / ModBus / Dry Contact						
By-Pass Switch	automatic & Manual by pass, Switch Optional						
Regen Kit	Regen Kit Provided to protect the revers current generated by regen lift						

\*Specifications are subject to change without prior notice.

