

# E3

Epic Evacuation  
Equipment

Power supplies for  
EVACUATION

In mains failure situations, a high-performance backup power supply energizes the elevator. A large number of trips are available, allowing complete building evacuation.

## The system comprises of:

- Auxiliary supply in case of mains failure, providing:  
600 Vdc for the drive.  
230 Vac for control, brakes, door operators, etc.
- Low power input maintains the accumulators fully charged.
- 48 V batteries, standard for all models. Low cost and low maintenance. The system provides information to the controller about state-of-charge throughout the evacuation process.



System that supplies energy to the elevator in mains failure situations. More than a UPS because it keeps the elevator energized for a large number of trips to any floor, making safe and complete evacuation of buildings possible. This high-performance auxiliary supply system keeps the elevator running for hundreds of trips without mains. The system keeps the control informed at all times about the state-of-charge of the batteries.

	e <sup>3</sup> 3k5W	e <sup>3</sup> 5k5W	e <sup>3</sup> 7kW
Maximum input power	200 W or 500 W	200 W or 500 W	200 W or 500 W
Nominal output power (drive supply)	3500 W	5500 W	7000 W
Maximum output power (drive supply)	4000 W	6300 W	8000 W
Maximum output power @ 230 Vac	400 W or 700 W (different options)		
Energy storage	From 1kWh up to requirements		
Number of trips after mains failure	Variable under client request		

## Case Studies

### Case Study 1

Hospital



### Case Study 2

High-rise building

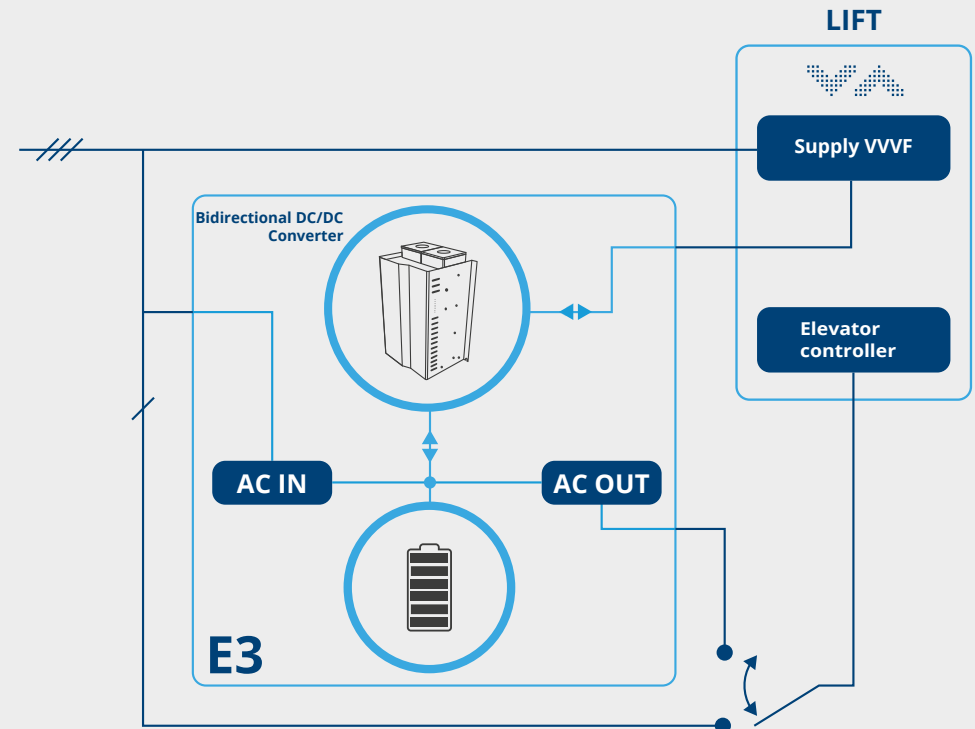


### Case Study 3

Nursing home



- Simple installation, even for existing elevators with no additional cabling to floors
- Fully scalable
- Avoids need for diesel generator
- Meets EN81-72 Firefighting and BS9999 requirements
- 48 V battery as standard. Easy to replace and cost effective



#### Documentation

VVVF drive connections



Installation manual



# ENERGY INTELLIGENCE FOR LIFTS



■ [epicpowerconverters.com](http://epicpowerconverters.com)



epic power

Epic Power Converters, S.L.  
+34 976 24 95 80 · Zaragoza (Spain)  
[info@epicpower.es](mailto:info@epicpower.es)