




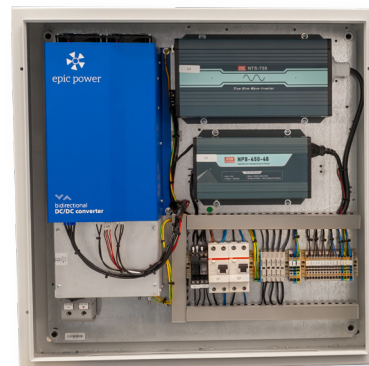
# E3

Epic Evacuation  
Equipment

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.



\* e3 Option 3 (600x600mm cabinet).  
\*\* Batteries not shown. See table.



\* e3 Option 4 (2000x450mm cabinet).  
\*\* Batteries not shown. See table.

# Power supplies for EVACUATION

	e <sup>3</sup> 3k5	e <sup>3</sup> 5k5	e <sup>3</sup> 7k	e <sup>3</sup> 11k	e <sup>3</sup> 16k5	e <sup>3</sup> 22k
Maximum input power	450 W - 750 W	450 W - 750 W	900 W - 1500 W	900 W - 1500 W	1350 W - 2250 W	1800 W - 3000 W
Nominal output power (VVVF drive)	3500 W	5500 W	7000 W	11000 W	16500 W	22000 W
Maximum output power (VVVF drive)	4200 W	7000 W	8400 W	14000 W	18900 W	25200 W
Nominal output power (lift controller)	750 W - 1500 W (different options)					
Energy storage	From only 4 12V batteries		From only 8 12V batteries		According to requirements (no battery limitation)	
No. of operating hours and trips after main power failure	No limitations. Based on the needs					
Battery array S (LxWxH)	Op. 1: 410mm x 190mm x 556mm / Op. 2: 250mm x 189mm x 826mm					
Battery array M (LxWxH)	409mm x 194mm x 796mm					
Battery array L (LxWxH)	408mm x 268mm x 744mm					

\* Higher power solutions available upon request.



The solution uses cost-effective, small-size 48 V batteries designed specifically for emergency applications. It provides a reliable and easily maintainable backup system to ensure evacuation in any situation. Compatible with any new or existing elevator. In emergencies, the system provides full auxiliary power supply to the switchgear and drive, ensuring a safe and controlled evacuation. It informs the controller of the state of charge of the batteries throughout the process.

# Case Studies

## Case Study 1

Hospital



## Case Study 2

High-rise building

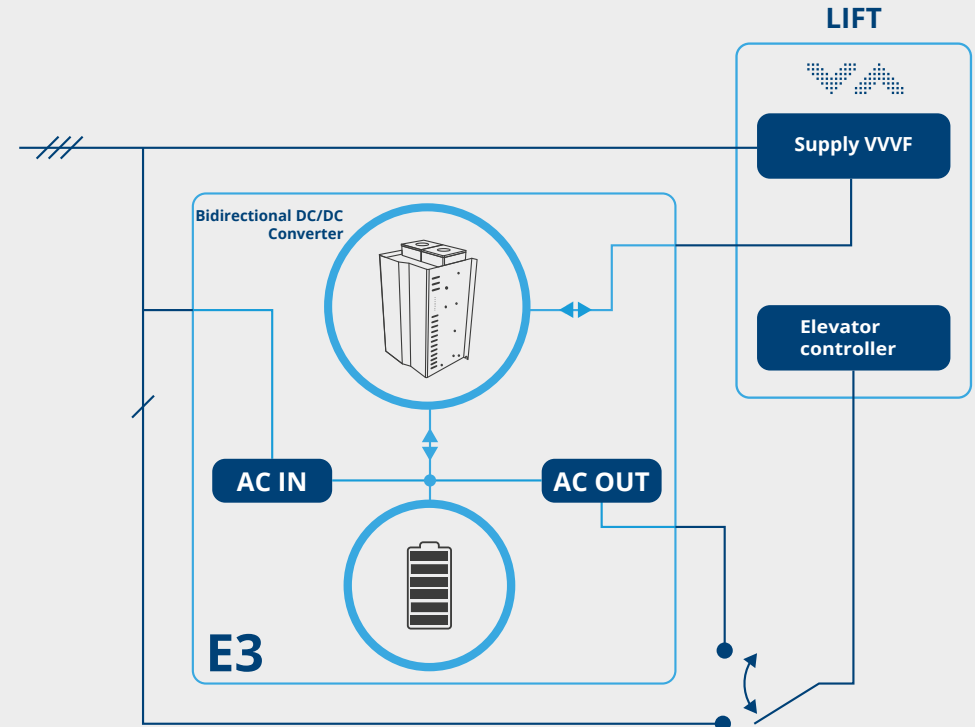


## Case Study 3

Nursing home



- Simple installation, even for existing elevators with no additional cabling to floors.
- Fully scalable.
- Avoids need for diesel generator.
- Meets EN81-72, EN81-76 Firefighting, BS9999 and B9991 requirements.
- 48 V battery as standard. Easy to replace and cost effective.



### Documentation

VVVF drive connections



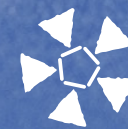
Installation manual



# ENERGY INTELLIGENCE FOR LIFTS



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



epic power

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