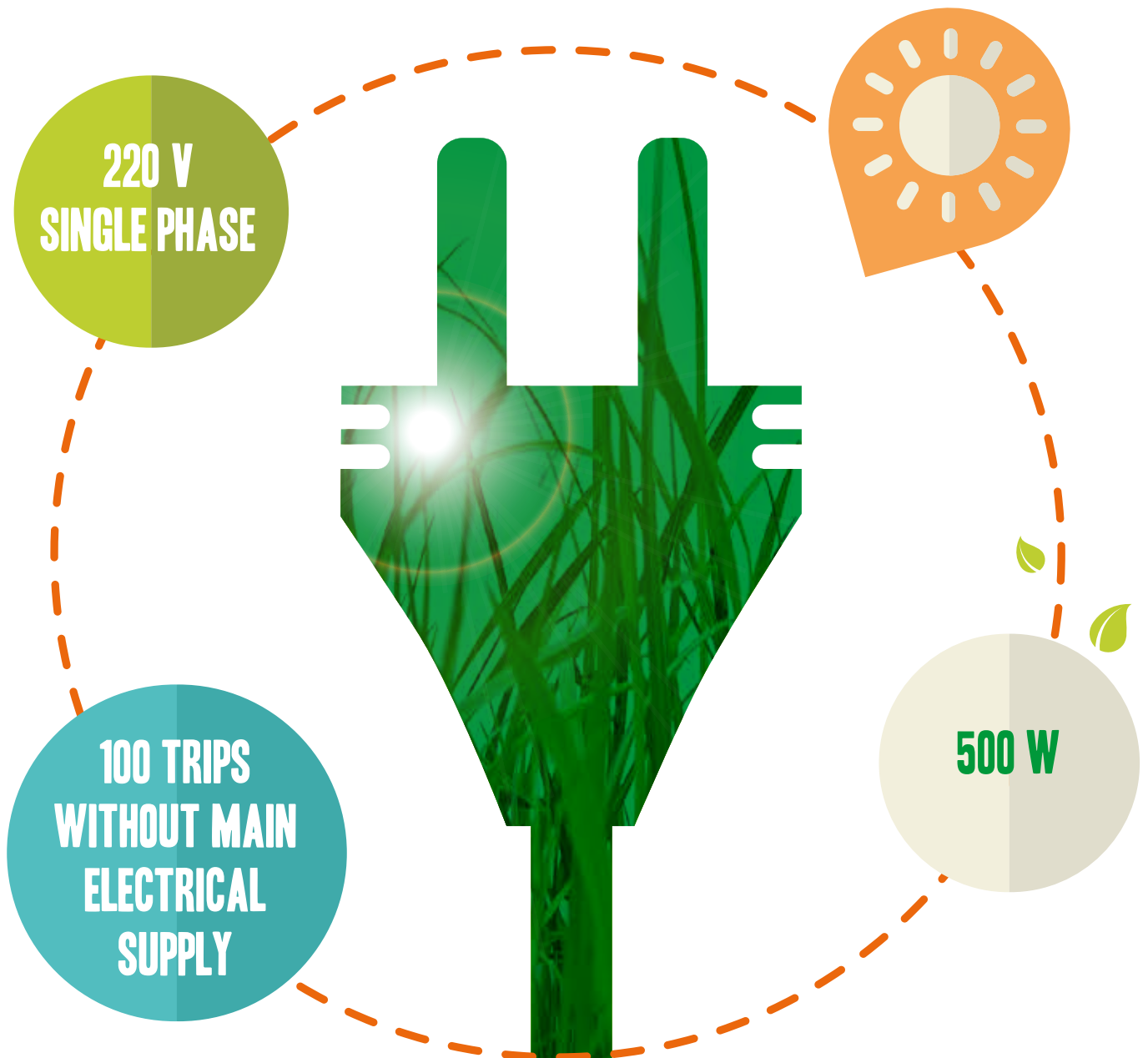


μ 500

The Battery Lift



FELESA[®]

MOVING FORWARD & MOVING ON



The Battery Lift

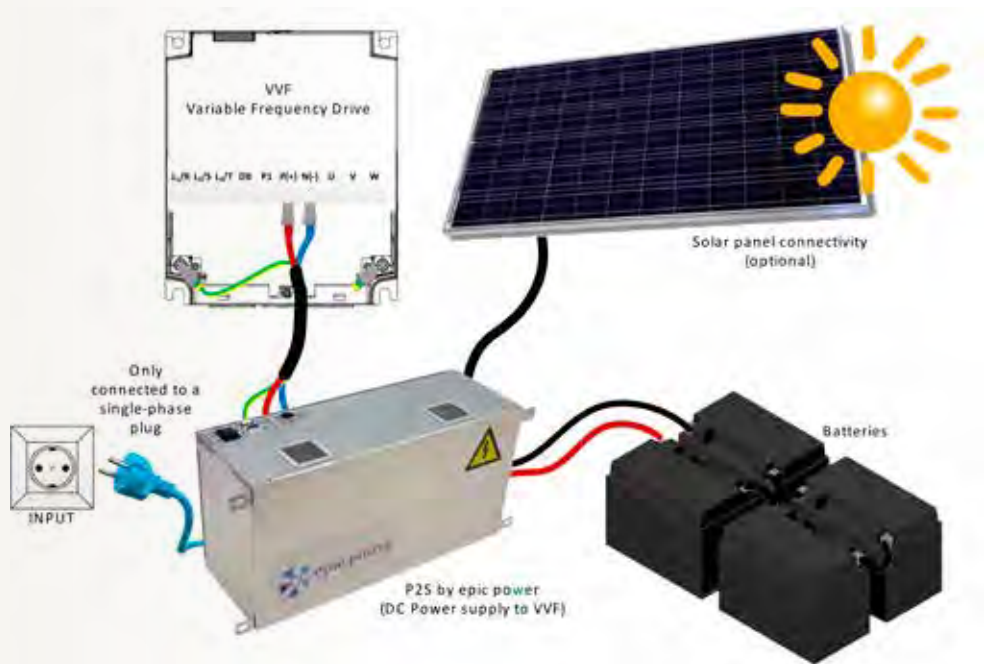


WHAT IS IT

Plug&single-phase, P2S, is a system designed to provide all the power for a lift using 500W **single-phase** mains connection. The lift can also perform up to one hundred trips from back up, making it suitable as an evacuation lift.

The system reuses energy generated by the motor, reducing the overall consumption by up to 55%.

It can be connected to commercial solar panels, making the lift totally self-sufficient.



ADVANTAGES

- The lift can be installed where there is no three-phase supply. For new clients who want to install in a residential building, it avoids the time, cost and disruption that this causes.
- The lift can be used as an evacuation lift, without the need for other equipment.
- No need for a three-phase mains filter.
- Current customers can benefit from this.
- It improves client's environmental credentials.
- Incorporates the latest technology in the field.

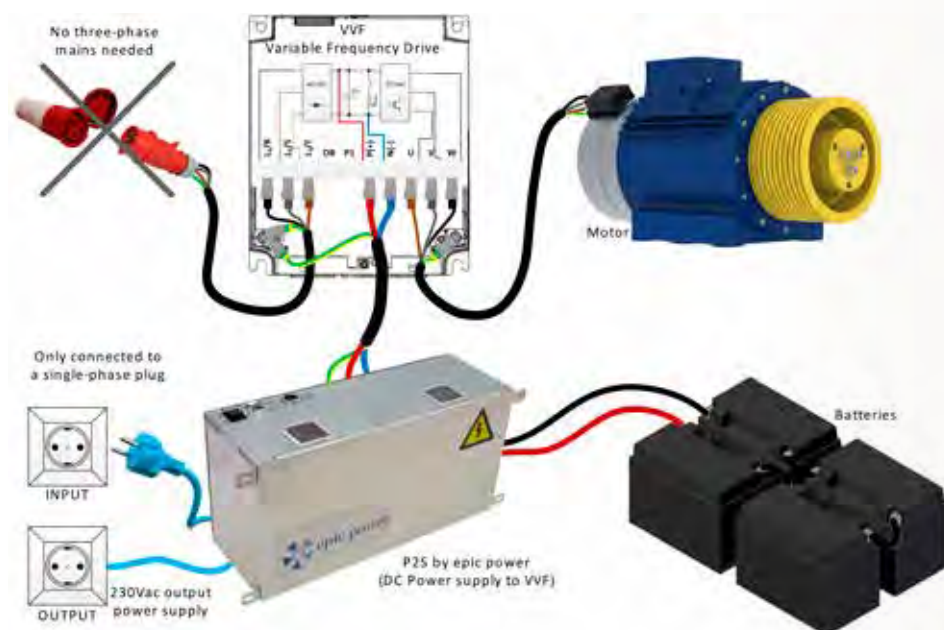


WHAT IT OFFERS TO THE END-USER

- In an existing building wanting to include a lift, this can be done without three-phase mains.
- Peak power can be reduced to only 500W. This makes the lift for cheaper to operate.
- Energy savings up to 55% from the regenerative feature.
- Up to 100 journeys on back up, making it suitable under BS9999

INSTALLATION

- Connect the P2S main unit to the VVF driver's terminals P(+) and N(-) with the cable provided.
P2S charges the VVF so there is no need for three-phase mains connection.
- Connect the battery module to the P2S unit.
- Plug P2S unit to a standard single-phase mains socket.
- Plug all the other remaining elevator systems (control, lights, door operators, brakes, etc.) to the single-phase (230V) socket output of P2S.
- Turn ON the P2S. The system will be ready to operate in a few seconds.



PLUG&SINGLE-PHASE TECHNICAL FEATURES

P2S system does not need charges to other systems for the lift. A braking resistor has to be installed as usual.

Batteries are widely available and can be changed easily, with a life time of about four years.

P2S Solar+ version is available with connectors for commercial solar panels. With this option, no extra electronics are needed in order to fully power a lift using solar energy.

	Main features
Maximum input power	500 W
Maximum number of trips (in blackout)	100
Maximum number trips per hour	90
Battery voltage	4 x 12V
Nominal output power (DC output to VVF driver)	3,5 kW
Nominal 230Vac output power	400 W or 700 W (two options)



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