



System that enables a Homelift to continue in operation for numerous trips after a blackout, reduces the peak consumption to 200W, turns the lift into a regenerative one and makes it possible to add solar panels.

HISS

Homelift Intelligent Supply System

POWER SUPPLY FOR HOMELIFTS

ADVANTAGES

- » Reduces peak power to **200 W**.
- » The Homelift **continues in normal operation even lacking mains supply**.
- » Braking energy is **recovered**.
- » Reduces strongly the elevator **stand-by**.
- » **Expands life expectancy of the drive**.
- » Eliminates the need for an additional backup system UPS.
- » Enables the use of **solar energy**.
- » Suitable for new or existing elevators.



by  epic power 

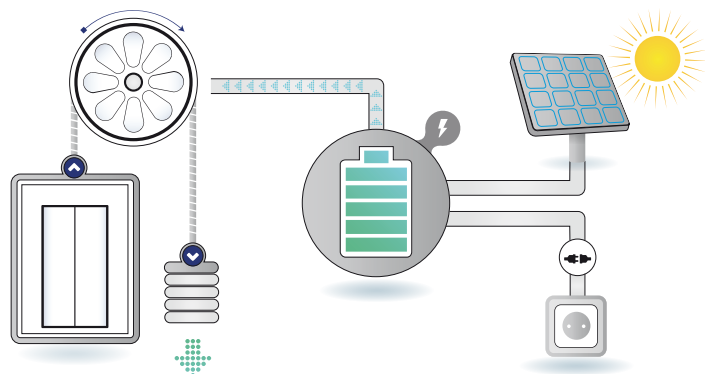
What is it?



HISS is an intelligent supply system for electric HOMELIFTS that feeds the elevator from a single-phase mains socket with only 200W peak power consumption. The included **accumulators** allow for hundreds of trips after a mains failure or lack of supply.

The homelift can continue in normal operation for **hundreds of trips even in case of a mains failure** or blackout.

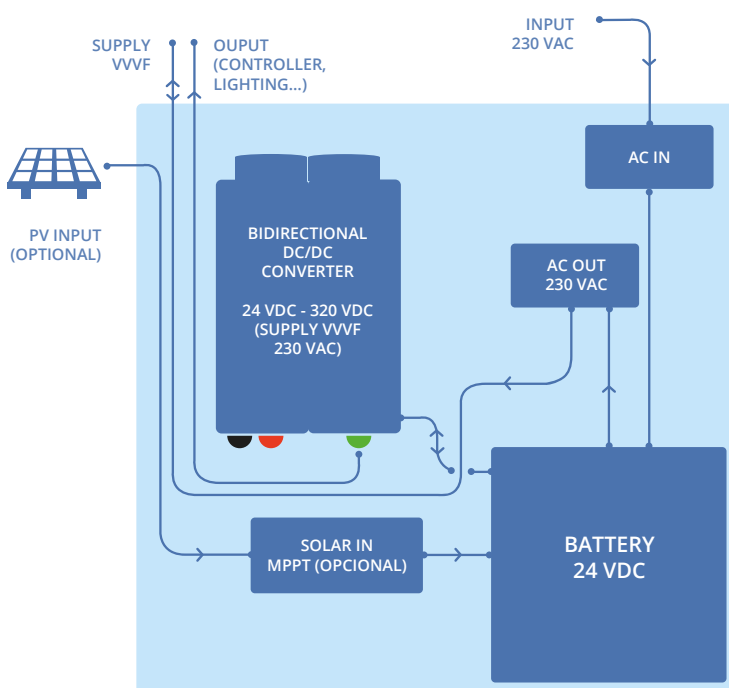
The option of adding **just one solar panel** to the system makes the elevator "Allied with the sun" with **net ZERO energy** consumption during daylight.





The system comprises

- » One **single-phase** 200 W input.
- » **Two outputs:**
 - » 300 Vdc to feed the single-phase VVVF drive.
 - » 230 Vac to supply control, door operators, brakes, etc.
- » **Optional input from solar panels.**
- » Extensive communication signals with the control such as for example, battery state-of-charge or energy consumption.
- » **Energy accumulators (24 Vdc)** granting the elevator to operate for more than 100 trips lacking mains.



HISS

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ABOUT HISS

- » Intelligent supply system.
- » Connection to a **230 Vac socket** (200W peak power).
- » **Recovering and storing the energy when elevator generates.**
- » **Very large number of trips in case of mains failure.** Avoids trapping in any situation.
- » Very simple **solar panel** connectivity.
- » **Quick installation** even for existing homelifts.



Product range and technical features



	HISS 2kW	HISS 3kW	HISS 4kW
Maximum input power	200 W	200 W	200 W
Input voltage	230 Vac - (90 ~ 305 Vac - 47 ~ 63Hz)		
Nominal output power (to VVVF drive)	2000 W	3000 W	4000 W
Maximum output power (to VVVF drive)	2200 W	3300 W	4400 W
Output voltage (to VVVF drive)	300 Vdc - Compatible with 230 Vac single-phase drives. Soft Start - Drive can be started as many times as required not compromising life expectancy.		
Maximum output power @ 230 Vac	400 W or 700 W (different options available)		
Energy storage	24 Vdc From 1kWh up to requirements.		
Allied with the sun	One or two 72 cells solar panels in parallel (optional).		

ABOUT US

Designing, developing and manufacturing very efficient high power converters since 2009.

epic power is a key power electronics partner for energy efficiency and energy storage solutions:

- » Flexible systems
- » Customized designs
- » Experienced engineering support



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