



# DSW

SOLUTIONS

POWER SUPPLY SOLUTIONS

[www.dsw-solutions.com](http://www.dsw-solutions.com)



**POWER SUPPLY SOLUTIONS.**  
A product for every project.



✓ **FIREFIGHTING & EVACUATION LIFTS**

*Effortless Configuration. Effortless Power!*

Introducing our distinguished line of secondary power supplies, meticulously designed for your EN81-72 & EN81-76 projects. With an effortless configuration process, these innovative power solutions are not only simple to install but also space-efficient, ensuring a seamless fit into both new and existing projects. Experience the harmony of cutting-edge design and superior functionality, as we bring you the ultimate power solution that effortlessly integrates into any project.



✓ **SINGLE PHASE POWER TRANSFORMERS**

*Unleash Efficiency with Peak Performance!*

Say goodbye to unnecessary complexities and enjoy a seamless single-phase power supply, eliminating the need for complex three-phase requirements. Our advanced system ensures that peak power consumption remains consistently below 500W, regardless of the circumstances. Seamlessly compatible with solar panels to experience an unparalleled level of efficiency and sustainability, all while reducing your overall energy costs.



✓ **ADVANCED UPS**

*Wave Goodbye To Power Blackout Challenges!*

Our advanced Uninterrupted Power Solutions are specially designed to empower your lifts with reliable and uninterrupted performance, ensuring a seamless transportation experience for passengers, even during challenging power outage situations. Experience prolonged use from a space saving format, offering protected, consistent energy supply and hassle-free maintenance. Embrace eco-friendly practices while ensuring a reliable power supply for your lifts.



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**FIREFIGHTING / EVACUATION LIFTS**

Effortless Configuration.  
Effortless Power!



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**SINGLE PHASE TRANSFORMER**

Unleash Efficiency with Peak Performance!



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**ELECTRIC HOMELIFT**

Only 200w Of Peak Power Consumption!



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**THE FUTURE**

Innovating Today, Improving Tomorrow!



**FIREFIGHTING / EVACUATION LIFTS**

Simply confirm the **KW** rating of motor, height of building, operating time, running and evacuation speed and we will offer you a customised solution.



**Effortless Configuration. Effortless Power!**

## PRODUCT FEATURES

### FULLY CUSTOMIZABLE

In the event of power failure the lift can continue for 100's of trips.  
Hassle free installation quick and easy.



It's more than just a UPS - this system keeps elevator power running for hundreds of trips to any floor, enabling full and safe evacuation of buildings.



High-performance backup power supply for mains failure.



Regenerative. Recovers the energy generated by the lift and stores it in the batteries thus expanding the duration of the evacuation time.



Simple connection and easy adaptation to any lift, both new or existing.



48V batteries as standard are compact and space-saving, with easy and low-cost maintenance.



The lift control panel keeps full control of the system as well as the lift (no additional control is required).



Designed to suit your project requirements.



No standard UPS is required.

## TECHNICAL SPECIFICATION:



Auxiliary supply for mains failure, providing:  
600 Vdc for the drive.  
230 Vac for controller, brakes, door operators, etc.



Low power input to maintain the accumulators fully charged.

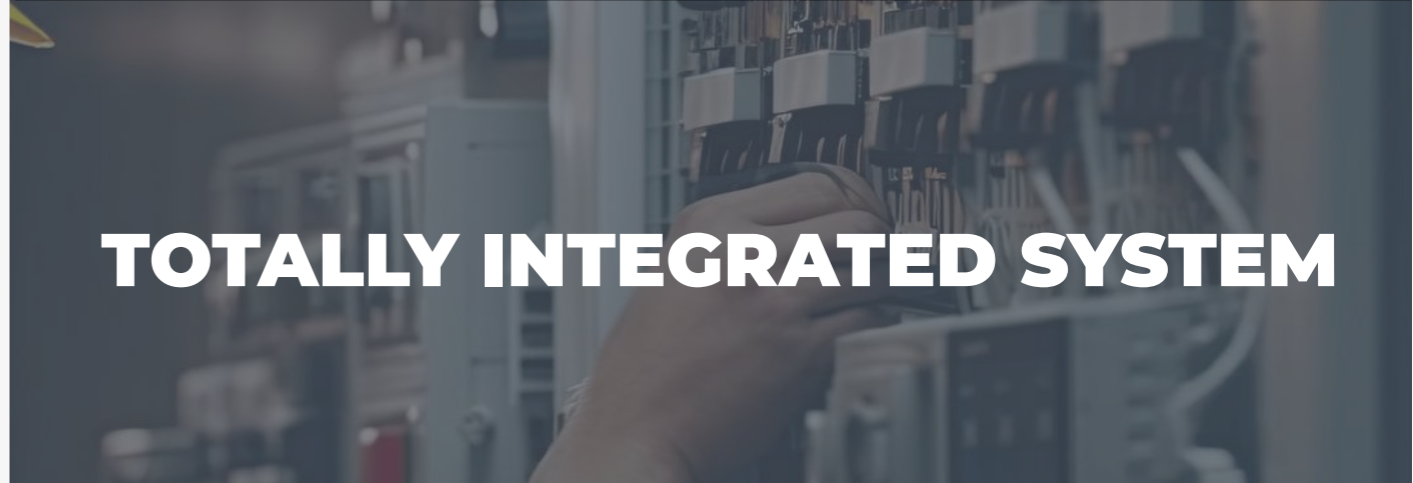
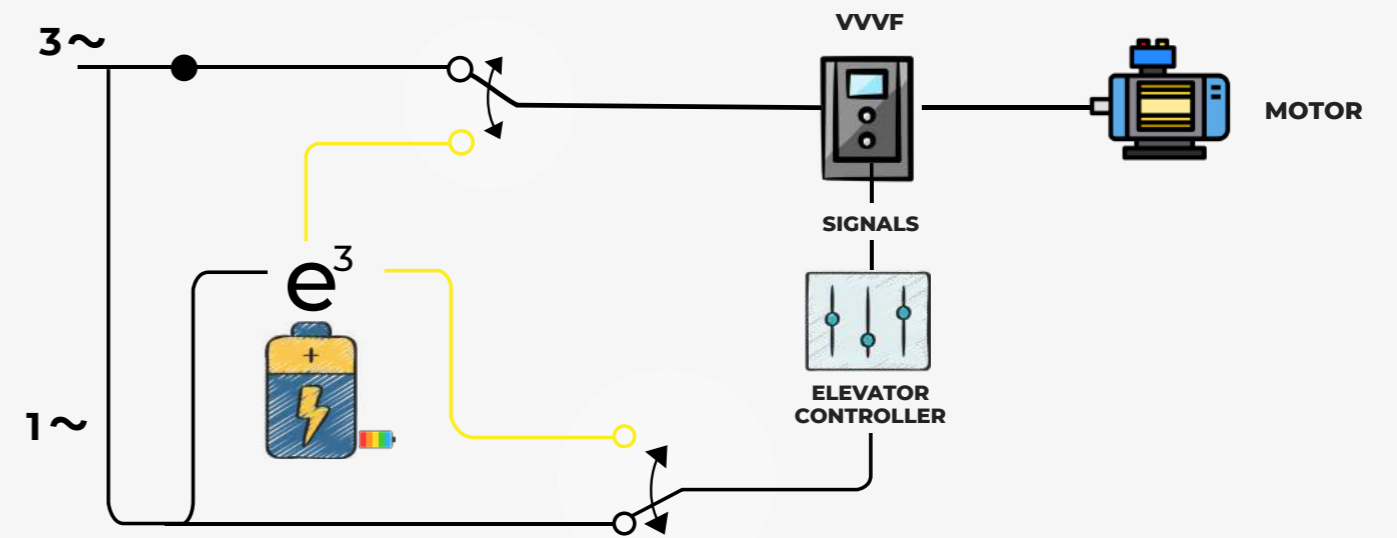


Energy regeneration allows for reduction in energy costs.



48 V batteries, similar for all models. Low cost and low maintenance. The system monitors battery charge levels and provides charge status to the controller throughout the evacuation process.

## SYSTEM OVERLAY



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 Option)		
ENERGY STORAGE	From 1kWh up to requirements		
NUMBER OF TRIPS AFTER MAINS FAILURE	Variable under client request		



# SINGLE PHASE TRANSFORMER

Say goodbye to unnecessary complexities and enjoy a **seamless** single-phase power supply, eliminating the need for complex three-phase requirements.





**Unleash Efficiency With Peak Performance!**


## PRODUCT FEATURES


**MAXIMUM 500W**


An ultra-low single phase input of only 500W. The system's **energy storage system** provide backup power to continue lift operation for over **100 trips** during power outages.


- 


With **optimised power** consumption of **just 500W**, no 3-phase supply is needed - saving time and money.
- 


Experience an unparalleled level of **efficiency and sustainability**, all while reducing your overall energy costs.
- 


**Regenerative.** Recovers the energy generated by the lift and stores it in the accumulators.
- 

Easily interfaces with **solar panels** (optional).
- 

In a power outage, the lift **keeps running** for an extended period.
- 

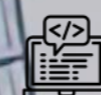
**Simple connection** and easy adaptation to any lift, both new or existing.
- 


Suitable for **new installations** or retrofitting existing lifts.
- 


**No extra UPS** required.
- 


**VF inverter** standby consumption can be completely covered, this way the overall standby **consumption** can be **reduced by 30%**. This also extends the inverter lifespan.

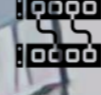
## TECHNICAL SPECIFICATION:


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Extensive communication signals to and from the controller can be **programmed** such as, **battery state-of-charge** or energy consumption.
- 

An ultra-low single phase input of only 500W.
- 

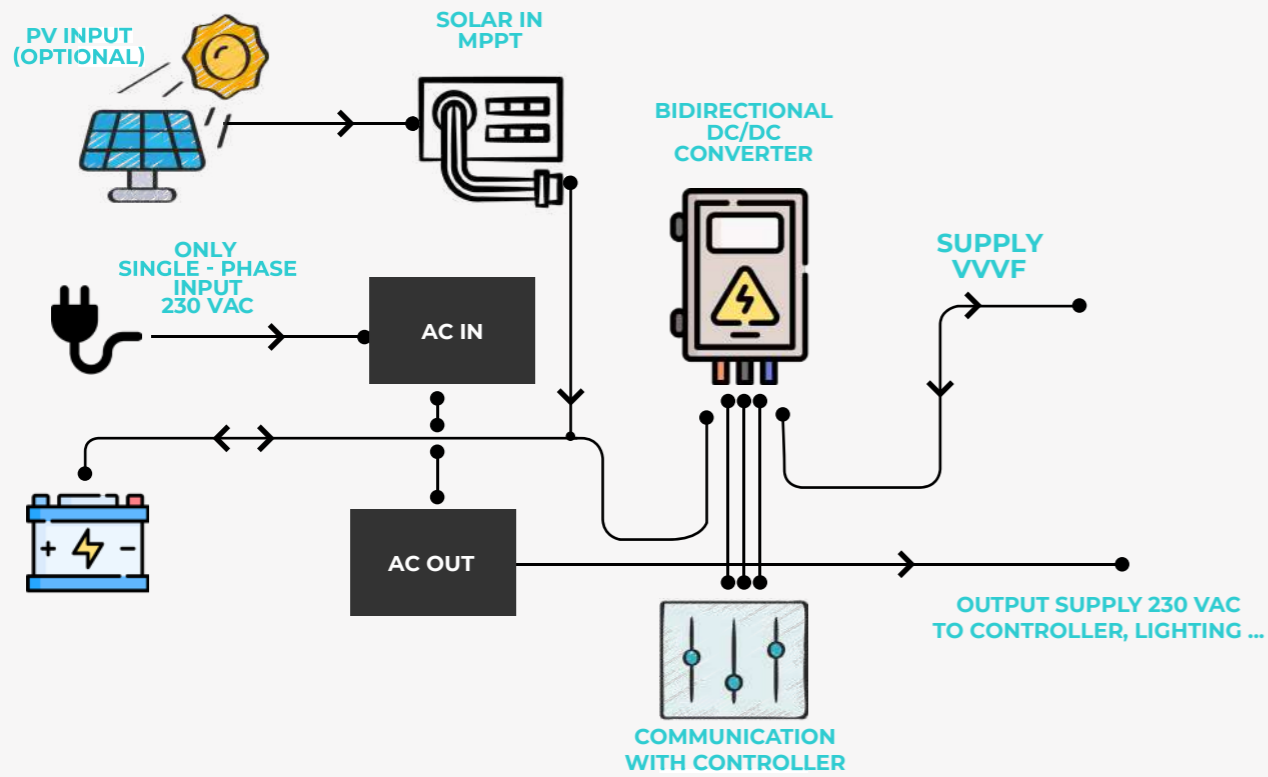
**Two outputs:** 600 Vdc to feed the VVVF drive (a 400 Vac one) but directly to the DC link. Connection to **mains is no longer needed**. Bidirectional DC/DC converter feeds drive from 48 Vdc accumulators.
- 

Adding the optional **two solar panels** enables net-zero daytime energy use, for free clean power.
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**230 Vac** for controller, brakes, door operators, etc.
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The system's **energy storage system** provide backup power to continue lift operation for over **100 trips** during power outages.

# SYSTEM OVERLAY



	3.5KW	5.5KW	7KW
<b>MAXIMUM INPUT POWER</b>	500 W	500 W	500 W
<b>INPUT VOLTAGE</b>	230 VAC - (90-305 VAC - 47 - 63HZ)		
<b>NOMINAL OUTPUT POWER (TO VVVF DRIVE)</b>	3500 W	5500 W	7000 W
<b>MAXIMUM OUTPUT POWER (TO VVVF DRIVE)</b>	4000 W	6300 W	8000 W
<b>OUTPUT VOLTAGE (TO VVVF DRIVE)</b>	600 Vdc - Compatible with 400 three-phase drives Soft Start - Drive can be started as many times as required not compromising life expectancy		
<b>MAXIMUM OUTPUT POWER (@230 VAC)</b>	400 W or 700 W ( different Options available )		
<b>ENERGY STORAGE</b>	48 VDC From 1kwh up to requirments		
<b>ALLIED WITH THE SUN</b>	One or two 72 cells solar panels in parallel (optional)		

# ELECTRIC HOMELIFTS

Transform your homelift into an **ultra-low 200W** peak power system. The regenerative design captures energy to recharge batteries, enabling continued operation even during blackouts.



**Only 200w Of Peak Power Consumption!**



# PRODUCT FEATURES

**MAXIMUM 200W**

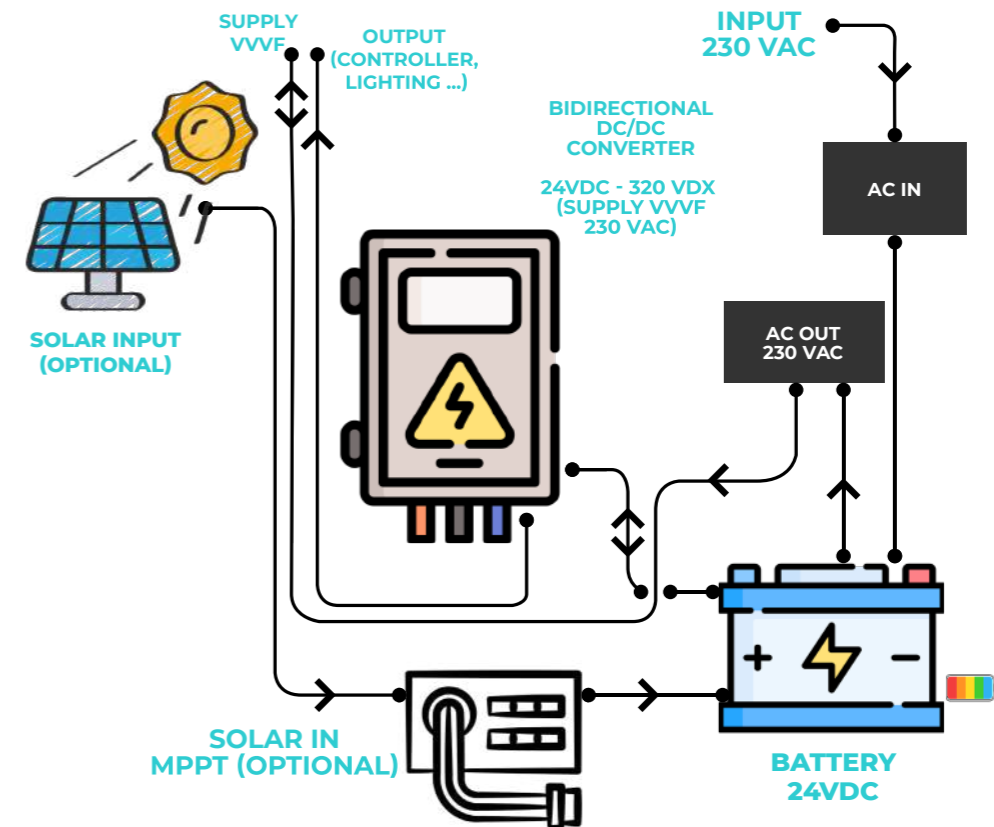
Our systems deliver unmatched reliability and availability using minimal power, for a truly sustainable operation.

- Regenerative.** Recovers the energy generated by the lift and stores it in the accumulators.
- Experience an unparalleled level of **efficiency and sustainability**, all while reducing your overall energy costs.
- With **optimised power consumption of just 200W**, no 3-phase supply is needed - saving time and money.
- Simple connection and easy adaptation** to any lift, both new or existing.
- Easily interfaces with solar panels (optional).
- No extra UPS required.**
- VF inverter standby **consumption** can be significantly reduced, this way the overall standby consumption is minimal. This also **extends the inverter lifespan.**
- In a power outage, the **lift keeps running** for an extended period.
- Suitable for **new installations** or retrofitting existing elevators.

# TECHNICAL SPECIFICATION:

- Adding a **single solar panel (Optional)** enables **net-zero daytime** energy use. Your elevator will run solely on clean, renewable power from the sun during daytime operation.
- An ultra-low single phase input of only **200W**.
- Two outputs:**  
**300 Vdc** to feed the single-phase VVVF drive.  
**230 Vac** to supply controller, door operators, brakes, etc
- The system's **energy storage system** provide backup power to continue lift operation for over **100 trips** during power outages.
- Extensive communication **signals** to and from the controller can be **programmed** such as, **battery state-of-charge** or energy consumption.

# SYSTEM OVERLAY



	2KW	3KW	4KW
<b>MAXIMUM INPUT POWER</b>	200 W	200 W	200 W
<b>INPUT VOLTAGE</b>	230 VAC - (90-305 VAC - 47 - 63HZ)		
<b>NOMINAL OUTPUT POWER (TO VVVF DRIVE)</b>	2000 W	3000 W	4000 W
<b>MAXIMUM OUTPUT POWER (TO VVVF DRIVE)</b>	2200 W	3300 W	4400 W
<b>OUTPUT VOLTAGE (TO VVVF DRIVE)</b>	300 Vdc - Compatible with 230 Vac single-phase drives Soft Start - Drive can be started as many times as required not compromising life expectancy		
<b>MAXIMUM OUTPUT POWER (@230 VAC)</b>	400 W or 700 W (different Options available)		
<b>ENERGY STORAGE</b>	24 VDC From 1kwh up to requirements		
<b>ALLIED WITH THE SUN</b>	One or two 72 cells solar panels in parallel (optional)		



## Introducing the Next Era of Energy Recovery

We are proud to unveil the newest generation of our revolutionary Energy Recovery Systems. Powered by artificial intelligence and neural networks, our smart technology is engineered to optimise energy savings like never before. This system intelligently manages regenerative braking energy, capturing every possible watt to recharge batteries. The advanced AI dynamically adapts to usage patterns and power demands, ensuring the absolute maximum energy recuperation 24/7.

Step into the future of green elevator systems.

Our self-learning Energy Recover System technology takes eco-friendly operation to the next level.

# THE FUTURE

INNOVATING TODAY, IMPROVING TOMORROW



LET'S WORK TOGETHER TOWARDS A SUSTAINABLE FUTURE!

*Daniel Williamson*

DANIEL STEPHEN WILLIAMSON



# DSW

SOLUTIONS

UPLIFTING ELEVATOR  
BUSINESSES GLOBALLY

ENERGY SAVING DEVICES  
ADVANCED UPS SYSTEMS  
EVACUATION/FIREFIGHTING POWER SUPPLIES  
ENERGY MONITORING DEVICES  
REMOTE MONITORING  
DOOR MODERNISATIONS  
COMPLETE ENTRANCES  
GEARED & GEARLESS MACHINES  
CONTROLLER UPGRADES  
SPARE PARTS  
MAGIC MIRRORS  
ACCESS SOLUTIONS  
BACK TO GUIDE MODERNISATIONS

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