



Ultra-low energy infrastructures

ELe's DC infrastructures enable the intelligent capture and distribution of renewable energy. Our compact battery solutions supply safe, reliable DC power in both domestic and commercial environments.

The Control Box provides access to real-time data in the palm of your hand. Our unique monitoring solution aids optimisation and enhances saving opportunities. The system is compatible with a wide range of devices, allowing the installation of specific technologies to suit project requirements.



Specification

Battery Data

Cell technology	Lithium-Ion Phosphate (LiFe PO4)		
Nominal voltage	48V DC		
Voltage range	37.5V to 54.8V		
Capacities	1.5kW	2.4kW	4.8kW
Weight (kg)	15	30	60
Form factor	4U 19" rack mountable		

Charging & Power

Charging method	Constant charge / voltage
Charging options	AC supply (internal charger)
	Solar (requires charge controller)
Peak discharge current	30A continuous
Peak charge current	30A continuous
Charge time	Around 10 hours at 10A (4.8kWh)
Lifecycles	2500 at 0.5C / 80% DoD
Peak power output	1500W
Outputs	16 x PoE ports (expandable)
	48V DC bus

Key Features

- A **single AC/DC conversion**
- Access to **real-time data**
- **Scheduled charging**
- **Emergency charge** function
- **AC back-up** supply (10A)
- **Scalable** battery storage
- **Temperature & humidity** sensing
- Remote monitoring
- **No additional cooling** required
- **Simple to install & maintain**

For more information

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