



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

+27 (0) 11 513 3189
 info@regenergy.co.za
 www.regenergy.co.za