

DATASHEET

Fuelfix & Tanks2Go

ESU 50

Battery Energy Storage System

Power up remote mine, construction, and industrial sites with our 50KW/75kWh, 3-phase mobile battery storage units (ESU 50). These battery storage units can be used in conjunction with solar, grid or generators input and are designed to provide AC power for a variety of temporary and long-term applications.



Ease of transport

- Forklift pockets, tie down and lifting points designed to allow safe and easy handling of the unit.
- Compact design enables quick and remote delivery.

Smart features

- Simple set up and operation suitable for non-technical users with optional remote monitoring
- Live updates on battery state of charge, as well as battery health on local EMS.

Zero Carbon Emission

- Long-lasting lithium-ion (LiPeO4) battery technology
- Utilise efficient and clean alternative energy source like solar to provide portable AC power.

Durable

- Steel IP54 rated enclosure ensuring long life.
- Designed for harsh Australian climates with working temperature of -20°C to 55°C.
- Intelligent air conditioning to maintain optimal temperature and maximise life and reliability.
- Battery modules equipped with advanced Aerosol fire extinguishing devices.

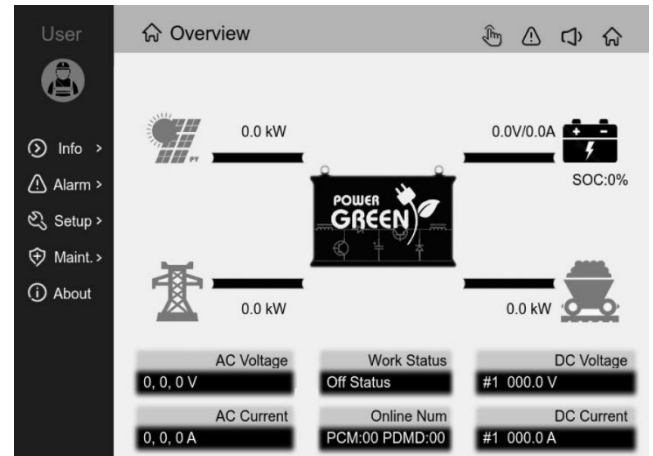
Highly Efficient and Cost Effective

- Provide high efficiency power to optimise energy storage.
- Can be used in a modular set up to scale power needs when necessary.
- Quick installation for a permanent power solution
- 10+ years (>4000 cycles) battery life and low maintenance.

General

Model: ESU 50	Voltage: 415v AC
Lifting: Forklift Pockets	
Dimension: 1680 x 1500 x 1700 (LxWxH)	Weight: 1,395 kg
Output Power: 50kW continuous load	Frequency: 50Hz
Max Output Power: 52.5kW	

These specifications are subject to variation.
Please contact the Fuelfix Sales team for more information.



Operational data

Working Temp: -20 to 55° (derates above 45°C)	
Input Type Customisable	
Output Type Customisable	IP Rating IP54

Solar Input

Solar Input
50 kW

Generator

Remote start capable

Battery

Battery Voltage 51.2V DC	Battery Capacity 76.8kWh
Recharge Time 1.5 hours fast charging	Battery Type Lithium Iron Phosphate