

## 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.

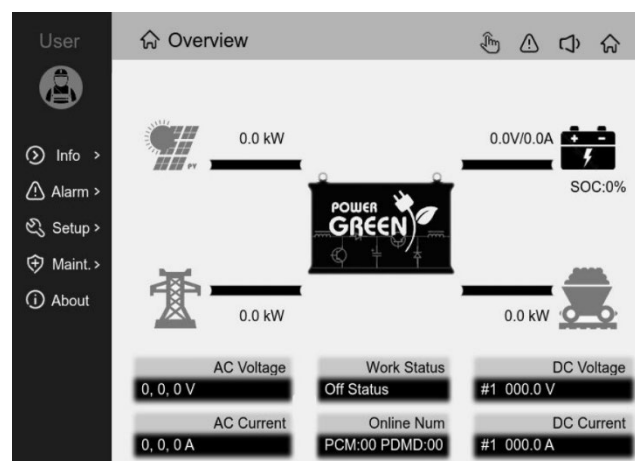
### Highly Efficient and Cost Effective

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

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



## Operational data

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

## Solar Input

Solar Input  
**50 kW**

## Generator

Remote start capable

## Battery

Battery Module Voltage <b>51.2V DC</b> <b>15 off battery modules are connected in series</b>	Battery Capacity <b>76.8kWh</b>
Recharge Time <b>1.5 hours fast charging</b>	Battery Type <b>Lithium Iron Phosphate</b>