

DATASHEET

# Fuelfix & Tanks2Go

## ESU 25

### Battery Energy Storage System

Power up remote mine, construction, and industrial sites with our 25KW/40kWh, 3-phase mobile battery storage units (ESU 25). This portable energy solution has been designed to provide reliable, green power supply while being quick to deploy and setup. It 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 to move and commission onsite

- Forklift pockets, tie down and lifting points designed to allow safe and easy handling of the unit
- Compact design for quick and remote delivery - Quick installation for permanent power solution

#### 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

- Equipped with long-lasting lithium-ion (LiPeO4) battery technology and 9Kw solar charge controller - When connected to solar this unit is a true off the grid green energy solution

#### Safe and Durable

- Designed for harsh Australian climates with working temperature of -20°C to 55°C and galvanised steel IP54 rated enclosure ensuring long life
- Intelligent air conditioning (HVAC) to maintain optimal temperature and maximise life and reliability, and fire suppression system - The system monitors battery temperature, charge level, and charge rate to protect against short circuits and overcharging. Units utilise low-heat runaway lithium iron phosphate cells and incorporate three-level safety protection measures.

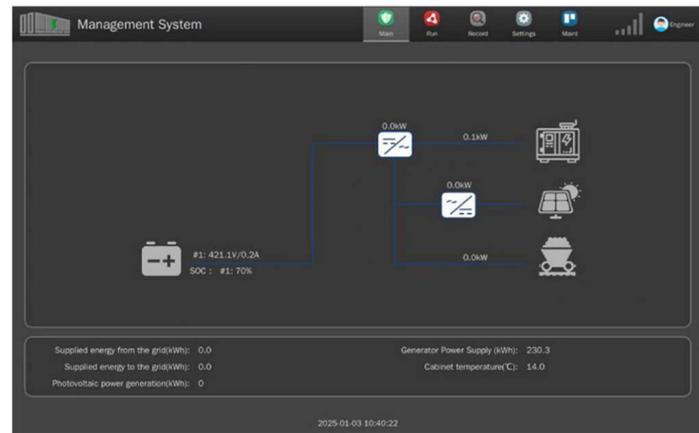
#### Highly Efficient and Cost Effective

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

## General

Model: <b>ESU 25</b>	Voltage: <b>400V AC</b>
Lifting: <b>Forklift Pockets</b>	
Dimension: <b>1000 x 1070 x 1800 (LxWxH)</b>	Weight: <b>977 kg</b>
Output Power: <b>25kW continuous load</b>	Frequency: <b>50Hz</b>
Max Output Power: <b>25kW</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>1 x 50A DG inlet</b>	
Output Type <b>1 x 15A single phase, 1 x 32A 3-phase</b>	IP Rating <b>IP54</b>

## Solar Input

Solar Input  
**10 kW**

## Generator

**Remote call for external generator**

## Battery

Total Battery Voltage <b>51.2V DC</b> <b>8 off battery modules are connected in series</b>	Battery Capacity <b>40kWh</b>
Recharge Time <b>2 hours</b>	Battery Type <b>Lithium Iron Phosphate</b>