

DATASHEET

Fuelfix & Tanks2Go

HESU 20

Hybrid AC Power System



The Fuelfix Hybrid AC Power System (HESU20) is a cost-effective 3-phase 20kVA outdoor power generation solution ideal for mine sites, constructions sites, civil works, remote accommodation camps, remote offices, communications infrastructure, back-up power for essential services and outdoor events.



Highly Efficient and Cost Effective

- Smart hybrid system that switches from diesel to battery power at low/continuous load to create significant fuel savings (save up to 40% fuel consumption when deployed in isolation and up to 75% when deployed with Fuelfix solar solution)
- Excess energy from the generator is used to charge the battery for future use, reducing energy losses.
- Can be used in a modular set up to scale power needs when necessary.
- Quick installation for a permanent power solution
- Up to 10-year battery life and low maintenance



Smart features

- Remote monitoring functionality with live updates on power usage and run time.
- Bluetooth App, simple set up and operation suitable for non-technical users



Environmental friendly

- Significantly reduces carbon emissions and noise pollution.
- Can be used with alternative energy source like solar to provide portable AC power and reduce emissions by up to 90%.



Durable and easy to install

- Designed for Australian climates with 10-year battery life and low maintenance.
- Quick installation for a permanent power solution



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.

General

Model: HESU 20	Voltage: 400v AC
Lifting: Fork Pockets & Tie/Lifting points	
Dimension: 3030x1166x1657 (LxWxH)	Weight: 2001 kg
Output Power: 20kVA continuous load. at 25°C	Frequency: 50Hz

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



Operational data

Working Temp: -20°-50° (derates above 40°C)
Output Type 1X15A, 1X32A CLIPSAL plugs with ABB RCD protection

Generator Specification

Engine Model: Yanmar 4TNV84T- GGF	Alternator model: Leroy Somer TAL A40-F
Engine Speed: 1500 RPM	Power Rating: 16KW
Fuel Tank Capacity 100L Tank	

Battery

Battery Voltage 51.2V DC	AC Output Capacity 30kWh
Recharge Time 3 hours (10-100%)	Battery Type Lithium Iron Phosphate - LFP(LiFePO4)

Solar Input

Power 18kWp Charge Controllers
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