

NEW: High Performance Energy Storage System

The United Rentals high performance energy storage system is suitable for a wide range of applications; providing solutions for sustainable and efficient energy storage.

Equipped with an integral 45 kVA / 60 kWh Battery Pack, the device operates independently or with a generator to reduce fuel consumption, CO₂ emissions and noise.

Zero emission power can be generated with the high density Lithium-Ion Phosphate batteries when used with renewable energy sources.



Emission Free



Efficient Software Operation



Silent



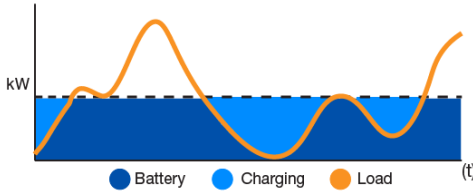
Fuel Consumption Savings



Modes of Operation

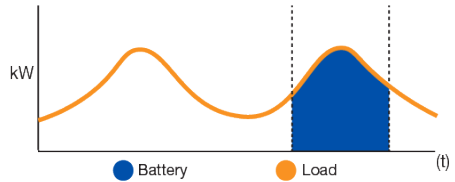
Experience efficient and reliable power management through our battery pack solutions.

Low Load: Optimising the operation of a generator



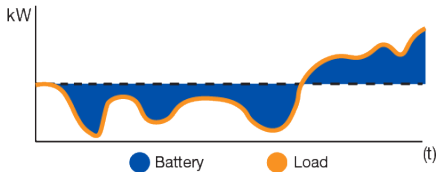
In this working mode we will optimise the operation of the generator connected to the Battery Pack. The maximum output of the Battery Pack will be configured. From this power, or a low state of charge, the generator will come into operation by supplying the (additional) load and charging the batteries. In this way we ensure that the generator will not operate on low load.

UPS: Providing power in case of power failure



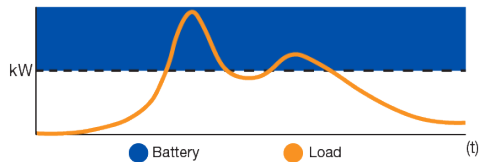
In this working mode we will have Uninterruptible Power Supply available. The Battery Pack will power the load either through a grid connection or a generator as the primary source. In case of a power outage of the primary source the load will be powered by the Battery Pack without interruption.

Power Booster: Absorbing peaks of power demand



In this working mode the main power source will be the Battery Pack. The Battery Pack will deliver the power to the load and take care of the peaks of the load, especially peaks produced on electrical motor starting. The generator will only start when the batteries are needed to be charged. It will deliver power to the load and charge the batteries in order to be ready for the next cycle.

Peak Shaving: Providing necessary extra power above threshold



In this working mode the main power source will be the grid connection. Maximum power will be provided by the grid connection. The Battery Pack will support the grid connection by supplying the additional peak power above the threshold setting.

Battery Pack 45 kVA / 60 kWh

WEIGHT AND DIMENSIONS

Dimensions: 1,450 mm x 1,238 mm x 1,792 mm (L x W x H)
Weight: 1,440 kg

PERFORMANCE

Single point power supply: Input: 400 (325-450) V, Output: 400 V, 50 Hz – Three Phase
Output power: 45 kVA (30min)
Nominal Capacity: 56.5 kWh
Charge Time: 2h 45min @ 21 kW
Discharge Time: 5h 30min (External Source + Storage), 2h 15min (Storage)
Max Output Current (A/ph): 125 A (External Source + Storage), 45 A @ 400 V (Storage)
Continuous Pass Through: 100 A per phase (External Source only)
Max Combined Output: 125 A per phase (External Source + HES)
Max Power Assist: 26 kVA
Operating temperature: -10 °C up to + 40 °C
Life Cycle/Charge Cycle: 6000 hr / < 3 weeks
Water/ingress Protection: IP55
Battery Chemistry: LFP Batteries with BMS

CONNECTIONS

- Powerlock Type Connectors Inlet, Power Terminals, 125 A CEE Inlet (Three Phase) & 16 A CEE Inlet (Single Phase)
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- MC4 Solar Input
- DC Connector
- RJ45 Connector (WAN)

COMMUNICATION & CONTROL

Control Panel: ECM 7" Touch Screen Module: Intelligent on-board energy control module that communicates with the generator
Temperature Control: Analogue Voltage Controlled Forced Air Cooling
Remote Generator Start: Dry contact relay
Remote Communication: POWR2 Portal for monitoring and optimisation of performance

Visit our website for our full product range,
including a wide range of support equipment



About United Rentals

United Rentals is the largest equipment rental company in the world. The company has an integrated network of 1,487 rental locations in North America, 14 in Europe, 23 in Australia and 19 in New Zealand.

United Rentals Europe, formerly known as BakerCorp, is the industry leader in Fluid Solutions and is now expanding its range of Power Solutions. We provide cost effective rental products for the transfer, containment and treatment of liquids and power generation. United Rentals products are designed with safety and quality as top priorities, have “plug and play” features and offer great versatility for a wide range of applications. This translates into unique benefits throughout the tank, pump, filtration and generator product lines.



Power Solutions

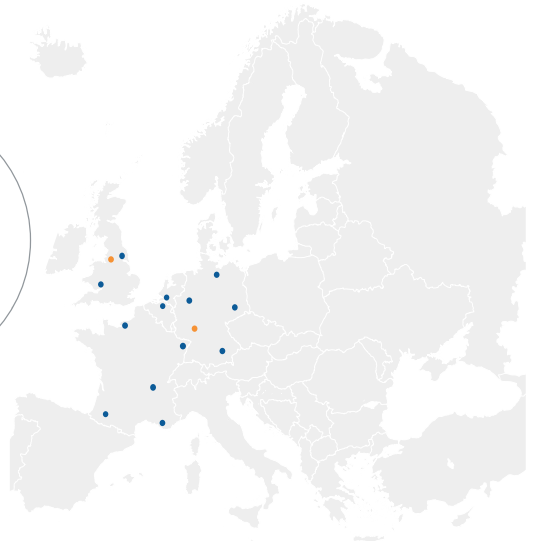
Power Generation
Battery Packs
Fuel Tanks
Power Distribution



Fluid Solutions

Centrifugal Pumps
Submersible Pumps
Pipe, Hose & Fittings
Temporary Storage Tanks
Liquid & Vapour Filtration
Advanced Water Treatment Solutions

More locations, more solutions.



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