

Power Anytime • Anywhere



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CATALOGUE 2026

Mobile BESS | Hybrid System | EV Battery

Application Scenarios



Advantage



Low Noise
<70dB, Ultra-quiet operation for noise-sensitive environments.



Zero Emission
Delivering power without environmental impact.



Safe & Reliable
Engineered for safety and reliability in every use.



Waterproof IP54
Weather-resistant design for dependable outdoor performance.



Plug and Play
Quick plug-and-play setup for instant power access.



Remote Monitoring
Real-time remote monitoring the status of the system.



► PRODUCT OVERVIEW

The CTESS 6030 supports you in meeting local emissions regulations which adds to your social responsibility image and decarbonization effort. With variable loads on site, this battery helps improve reliability and energy efficiency.

► PRODUCT FEATURES



Play & Play

Quick setup, ready to deliver power instantly



Zero Emission

Clean power without fuel or exhaust.



Zero Noise

Silent operation for any environment



Easy Transport

Designed with forklift slots and lifting lugs



Save Cost

Clean power without fuel or exhaust.



Improve Power Quality

Stabilizes voltage and frequency to protect sensitive equipment.

PARAMETERS

SPECIFICATION

Rated Power	30 kW
Battery Chemistry	LFP
Energy Capacity	60kWh
Rated Voltage	230/400 VAC (+/- 10%)
Frequency	50Hz - 60Hz
Lifetime (80% DoD)	6000 Cycles
Protection	IP 54
Dimension	1450x1000x1478 mm
Weight	1100 kg

CTESS16090-DC

► PRODUCT OVERVIEW

The 160kWh mobile energy storage system with 90kW DC output supports both AC and DC charging and discharging, delivering versatile, high-power solutions for diverse applications.



PARAMETERS

SPECIFICATION

AC Rated Power	90 kW
DC Rated Power	90 kW
Battery Chemistry	LFP
Energy Capacity	160 kWh
Rated Voltage	230/400 VAC (+/- 10%)
Frequency	50Hz - 60Hz
Lifetime (80% DoD)	6000 Cycles
Protection	IP 54
Dimension	2035x1400x1669 mm
Weight	2550 kg

► PRODUCT FEATURES



DC Input & Output

Improve charging and dis.c efficiency.
Meet different usgae scenarios



Modular Design

Flexible expansion for different applications

► APPLICATION SCENARIOS



03 CTESS17590-DC Mobile BESS



PARAMETERS

SPECIFICATION

AC Rated Power	80 kW
DC Rated Power	90 kW
Energy Capacity	175 kWh
Rated Voltage	230/400 VAC (+/- 10%)
Dimension	2100x1440x1580 mm
Weight	2440 kg



Waterproof
& Dustproof

Worry-Free
Warranty



6000 Lifetime

04

CTESS350180-DC

Energy Capacity

350 kWh

DC Rated Power

180 kW

AC Rated Power

120 kW

► The 350 kWh mobile energy storage system delivers long-lasting power for heavy loads with fewer units needed. Its zero emissions, silent operation, and easy transport make it ideal for projects, events, and backup.

• Extended Running Time

350kWh capacity ensures longer continuous operations

• Simultaneous charging and dis.c

Power supply while recharging. Increase the working efficiency



• Power for Large Loads

Support high-demand equipment and application

• Future-Proof Capacity

Meets growing energy needs without frequency upgrades



► PRODUCT OVERVIEW

Compatible with different brands of generators and their control systems, In hybrid mode with a generator, the hybrid range increases the solutions' overall efficiency, accounting for the peaks of power and low loads.

PARAMETERS	SPECIFICATION
Rated Inverter Power	20kW
Battery Chemistry	LFP
Energy Capacity	20kWh
Rated Voltage	230 VAC
Generstor Type	Kubota (Optional)
Nominal Power	27 kW
Alternator Type	Stamford (Optional)
Fuel Tank	110 L
Controller	SmartGen/Deepsea/ComAP
Dimension	2800x1100x1150 mm
Weight	1050 kg

GenSet

High Emission and particulate emissions

High running cost

Loud, often needs soudproofing

Frequent servicing

Hybrid System

✓ Lower Emission, eco-friendly

✓ Low running cost

✓ Ideal for noise-sensitive areas

✓ Minimal maintanience

COMPARISON



Diesel Generator



Hybrid Inverter



Battery Pack



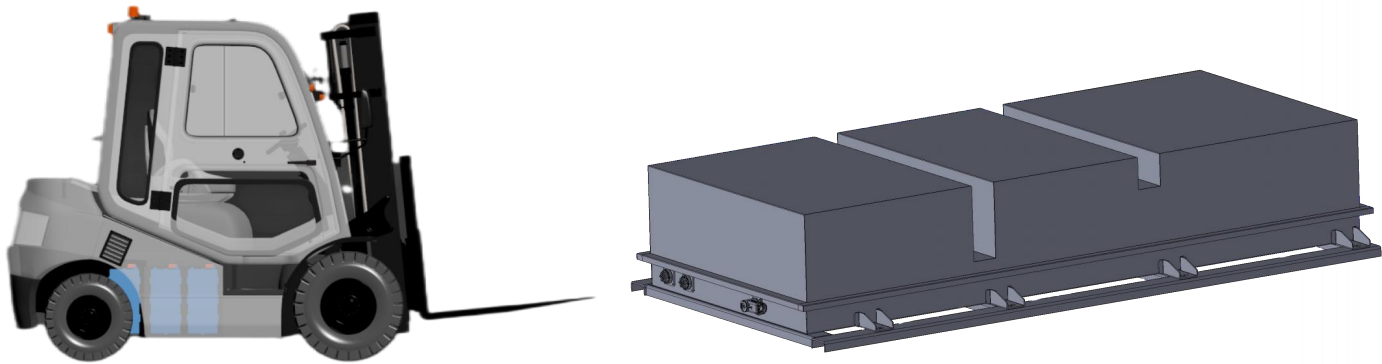
Single Phase Output

From design to reality

Forklift Battery Pack



► PRODUCT DESIGN



► PRODUCT FEATURES

High energy density

Greater energy storage capacity per unit volume/weight

Long lifespan

Increases cycle life, reducing maintenance costs

High rate performance

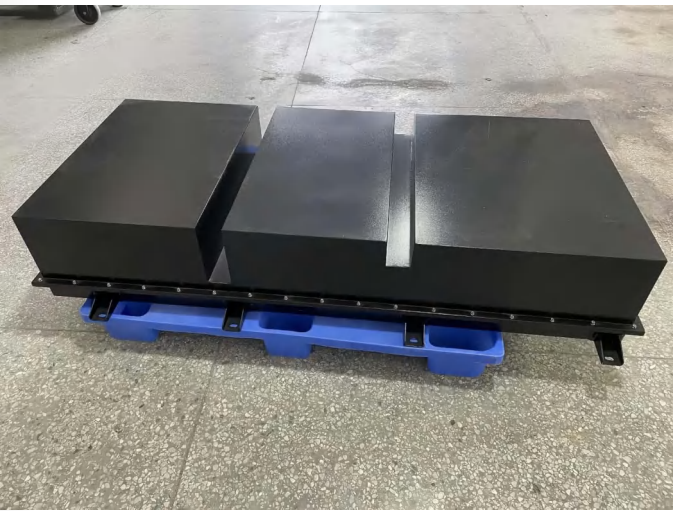
Supports high-power discharge or fast charging

Wide temperature adaptability

Supports low-temp and high-temp environments

Batter Chemistry	LFP
Energy Capacity	62 kWh
Battery System Data	102 V 608 Ah
Communication	CAN/RS485
Lifetime (80% DoD)	4000 Cycles

► PRODUCT DETAILS



The lithium battery solution for forklifts is engineered to deliver high energy efficiency and rapid charging capability, making it ideal for warehouses and logistics centers that require continuous multi-shift operations. Unlike traditional lead-acid batteries, it is maintenance-free, offers a longer cycle life, and ensures stable performance even under intensive use. With fast charging and the ability to operate reliably in demanding indoor and outdoor environments, it helps businesses improve operational efficiency, reduce downtime, and lower overall ownership costs.

► USER CASES



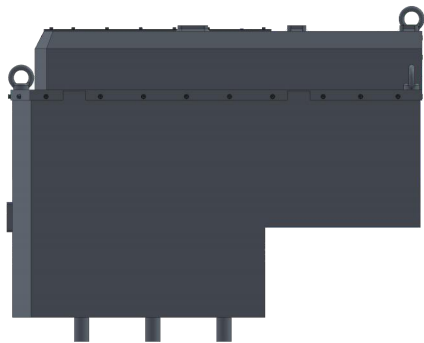
PERFORMANCE

From design to reality

Excavator Battery Pack



► PRODUCT DESIGN



► PRODUCT FEATURES



High energy density

Greater energy storage capacity per unit volume/weight



Long lifespan

Increases cycle life, reducing maintenance costs



High rate performance

Supports high-power discharge or fast charging



Wide temperature adaptability

Supports low-temp and high-temp environments

Batter Chemistry

LFP

Energy Capacity

160 kWh

Battery System Data

576 V 280 Ah

Communication

CAN/RS485

Lifetime (80% DoD)

4000 Cycles

Designed for heavy-duty applications, the excavator power battery provides high power output to handle demanding tasks such as digging, lifting, and climbing in tough terrains. It ensures strong load capacity, excellent temperature resistance, and reliable operation under harsh conditions such as mining, construction sites, and engineering projects. With its robust structure and advanced safety protection, the battery not only enhances working efficiency but also contributes to a greener, low-emission construction environment, supporting the global trend toward sustainable development in heavy machinery.

► PRODUCT DETAILS



► USER CASES



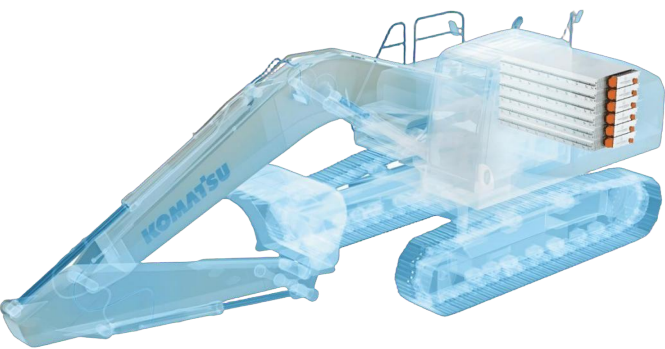
PERFORMANCE

From design to reality

Excavator Battery Pack



► PRODUCT DESIGN (Standard pack)



► PRODUCT DETAILS



The lithium battery provides high energy capacity and stable performance. Designed for intensive operations, it ensures long service life, fast charging, and enhanced safety, making it an efficient replacement for traditional lead-acid batteries.

► USER CASES



Applicable Vehicle Models:



PERFORMANCE

Battery Chemistry	LFP
Energy Capacity	286kWh
Battery System Data	512 V 560 Ah
Communication	CAN/RS485
Lifetime (80% DoD)	4000 Cycles



WELCOME TO **COMBINE TECH:**

We offer innovative Complete Battery System solutions to enable a cleaner, more sustainable future.

We are specialized in the design, research, development, and production of cutting-edge energy solutions. With a focus on electric vehicle battery systems, engineering machinery power systems, and energy storage systems, we are committed to driving the sustainable future of the industry.

At Combine, we are pride being at the forefront of innovation in the field of new energy systems. With a team of dedicated engineers, researchers, and experts, we strive to develop advanced and efficient solutions that meet the ever-growing demand for clean and sustainable energy

