

# Energy Storage Systems

## Robust Mobile ESS Battery

This mobile Energy Storage System boasts 346V and 200Ah (69 kWh) capacity, offering reliable energy reservoir on-the-go. Its built-in custom IP65 bi-directional inverter ensures seamless energy conversion, enhancing flexibility. With compatibility aligned to PGS 37-1 standards, this battery pack becomes a reliable and compliant solution for a variety of applications.

- Mobile Energy Storage
- Integrated Bi-Directional Inverter
- PGS 37-1 Compliance



## Mobile ESS Battery

Designed as a mobile Energy Storage System, this battery pack delivers a potent 480V and 206Ah (99 kWh) capacity, providing dependable energy on the move. Offering both DC and AC output options, it adapts seamlessly to diverse energy needs. Its skid-mounted design, complete with a lifting eye and convenient 'pockets' for forklift truck transport, ensures mobility without compromise.

- On-the-Move Energy Solution
- Dual DC and AC Output
- User-Friendly Mobility



## Foundation Piling Powerpack

Engineered to meet the demands of foundation piling, this powerpack delivers a commanding 653V and 412Ah (269 kWh). Its exceptional robustness makes it impervious to the harshest shocks and vibrations, ensuring uninterrupted performance even in challenging environments. With the added convenience of swappable battery packs, continuous operation becomes a reality.

- Piling Precision Partner
- Extreme Shock and Vibration Resistance
- Uninterrupted Reliability



## Stationary ESS Battery

This battery stands as a stalwart in Stationary Energy Storage Systems, delivering 512V and 206Ah (105 kWh) of steadfast energy capacity. With its integrated 50kW hybrid inverter, it streamlines energy conversion for diverse applications. Convenience is paramount, with isolation and cooling seamlessly integrated into the cabinet, and full preassembly enabling swift on-site commissioning.

- Reliable Stationary Energy Storage
- Built-in Hybrid Inverter
- Efficient Integration and Assembly



## Tailored Stationary ESS

Tailored for stationary Energy Storage, the battery unit delivers a potent 512V and 100Ah (51 kWh) energy capacity. Uniquely crafted for Original Equipment Manufacturers (OEMs) specializing in power electronics and enclosures, this battery seamlessly integrates into various setups. It's not just energy storage; it's an integrated solution designed to complement OEM requirements.

- OEM-Tailored Solution
- Seamless Integration
- Versatile Energy Storage



## Scalable ESS Battery

This battery unit powers stationary Energy Storage Systems with a formidable 51V and 1200Ah (61 kWh) energy capacity. It's designed for versatility, interfacing seamlessly with various inverters, including renowned brands like Victron, SMA, and Studer. Scalability shines through its ability to be connected in multiples, forming a larger energy system, suitable for use in ESS containers.

- Versatile Inverter Compatibility
- Scalable Energy Solution
- Stationary Powerhouse

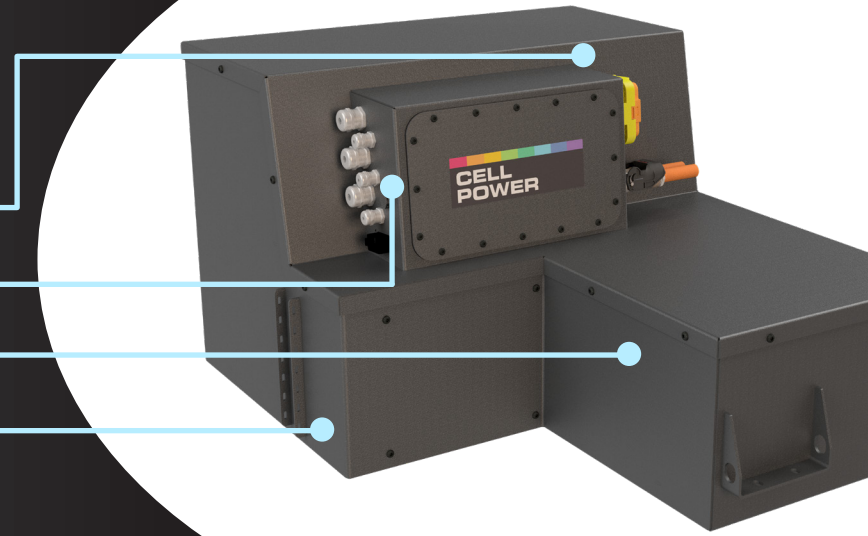


Extensive communication

Active BMS monitoring

High-quality battery cells

Durable housing



All-in-one solutions

Made in Holland

2 to 1000 Volt

Lithium LFP, NMC or LTO

In-house engineering

All custom-made Lithium battery solutions from Intercel are designed and assembled entirely in-house in The Netherlands. As a result, we can not only guarantee the highest quality, but also deliver and communicate quickly with the customer. By making use of the latest innovations, our specialists are able to make optimal use of the available space. The possible configurations for custom-made Lithium batteries are virtually endless.

All-in-one solutions

Lithium battery packs that are assembled by Intercel are true all-in-one energy solutions. Everything can be configured to the customer's needs and wishes, from housing material to communication options. These batteries offer the most powerful performance available on the market today.





# Customised Systems

## Electric Excavator Battery

This custom battery pack delivers 83V and 400Ah (33 kWh) of energy. Its unique design guarantees extended runtime and maximum energy capacity. The co-designed battery casing ensures a perfect fit, optimizing excavator performance. Moreover, the battery offers flexibility with charging options, supporting single- and three-phase charging as well as compatibility with public charging infrastructure.



- Enhanced Excavator Efficiency
- Tailored for Optimal Fit
- Versatile Charging Flexibility

## Forklift Truck Battery

Tailored for forklift truck Original Equipment Manufacturer (OEM), this battery pack delivers 83V and 200Ah (17 kWh) in a compact form. This compact design addresses the need for exceptional energy density within limited space, providing consistent power for efficient forklift operation. What's more, it offers versatility, allowing charging from a 24V supply directly from the truck.



- Forklift Efficiency Partner
- Exceptional energy in limited space
- Direct Truck Charging

## Mobile Floor Mortar Truck Battery

Serving as the vital auxiliary power supply for mobile floor mortar trucks, this battery pack stands tall with 614V and 300Ah (184 kWh). Swift and seamless charging is ensured with its integrated 22kW onboard charging system. The addition of an IoT remote monitoring module takes efficiency to the next level, allowing real-time oversight of performance.



- Key to Mobile Mortar Efficiency
- Rapid Onboard Charging
- Remote Monitoring Advantages

## Plug-In Hybrid Train Battery

Designed to revolutionize plug-in hybrid trains, the battery pack delivers an impressive 691V and 600Ah (415 kWh) capacity. Its liquid thermal management system ensures optimal performance, maintaining efficiency even during demanding train journeys. The integration with Danfoss drive controllers guarantees synchronized and optimized propulsion, enhancing overall energy efficiency.



- Redefining Hybrid Train Power
- Efficient Thermal Management
- Danfoss Drive Integration

## Electric Excavator Battery

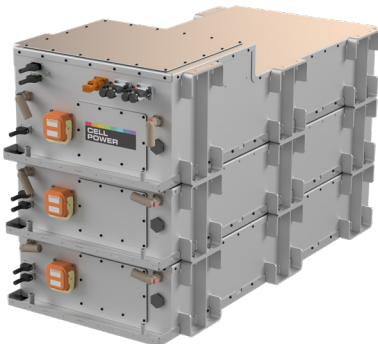
Catering to electric excavators, the modular battery pack boasts 614V and 300Ah (184 kWh) capacity, ensuring robust power for extended operations. Its standout feature is the swappable battery design, allowing quick replacements for uninterrupted work. The DC fast charging interface ensures rapid recharge, minimizing downtime and optimizing productivity.



- Powerhouse for Electric Excavators
- Quick-Swap Modular Design
- Swift DC Fast Charging

## High-End AGV Battery

Built for Automated Guided Vehicles (AGVs) in aluminum foundries, the battery provides a robust 672V and 228Ah (153 kWh) capacity. Tailored to meet stringent Electromagnetic Compatibility (EMC) standards, it boasts specialized Battery Management System (BMS) adjustments. Its liquid cooling mechanism equips it to tackle extreme ambient temperatures, guaranteeing consistent performance even in challenging environments.



- Elevating Premium AGV Operations
- FEMC Compliance with Special BMS
- Resilience in Extreme Temperatures

## Remote Area Excavator Battery

- 102V / 900Ah (92 kWh)
- Swappable battery pack
- High Capacity for Extended Use



## Asphalt Roller Battery

- 666V / 100Ah (67 kWh)
- Rapid DC Charging
- Seamless Swappable Design



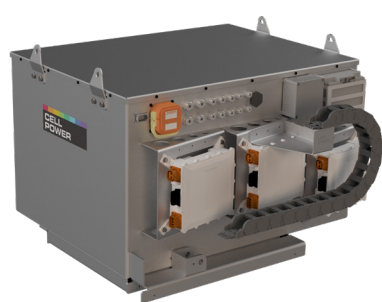
## Hydrogen Excavator Battery

- 666V / 100Ah (67 kWh)
- Efficient and reliable
- Optimized Power Distribution



## Electric Workboat Battery

- 90V / 800Ah (72 kWh)
- Built-in Charging Convenience
- integrated chargers on the battery casing



## Electric Excavator Battery

- 614V / 206Ah (126 kWh)
- 22kW onboard charging system
- Functions as counterweight



## Electric Excavator Battery

- 614V / 206Ah (126 kWh)
- 22kW onboard charging system
- Also possible as 140kWh battery

