

ONE PLATFORM

MECC ALTE POWER CONVERSION SYSTEMS

SIMPLIFYING ENERGY STORAGE INTEGRATION

Battery Energy Storage Systems are transforming the power generation industry. As demand grows, OEMs face increasing pressure to reduce development time, simplify system integration and deliver reliable, scalable solutions to market faster.

The ONE Platform has been developed specifically to help OEMs build Battery Energy Storage Systems, hybrid power solutions and microgrids with greater confidence and reduced complexity.

Unlike many power conversion solutions adapted from solar or industrial automation sectors, Mecc Alte Power Conversion Systems are designed by a company with decades of experience in power generation.

The result is a platform that combines trusted EU components, intelligent control and proven power generation expertise into flexible building blocks for modern energy storage systems.

WHY ONE?

ONE SUPPLIER

A coordinated power conversion solution from a trusted global manufacturer.

ONE UNDERSTANDING

Designed to simplify engineering, commissioning and operation.

ONE ECOSYSTEM

Controllers, power conversion and future energy management technologies working together.

BUILT FOR POWER GENERATION

- ✓ Trusted EU components
- ✓ Power generation expertise
- ✓ Global technical support
- ✓ Reduced integration complexity
- ✓ Faster time to market
- ✓ Scalable architecture

STORE | CONTROL | POWER

Store energy

Control energy

Convert energy into reliable power

WHY MECC ALTE?

MORE THAN COMPONENTS

Energy storage projects are becoming increasingly complex.

Multiple suppliers

Multiple interfaces

Multiple engineering challenges

The ONE Platform has been developed to simplify this process.

By providing coordinated power conversion building blocks, Mecc Alte helps OEMs reduce engineering effort, accelerate development and bring new BESS products to market faster.

DESIGNED TO SIMPLIFY

Recent OEM collaborations have demonstrated how complete energy storage systems can be developed and commissioned in a matter of weeks rather than months.

The objective is simple:

- Reduce complexity
- Reduce risk
- Reduce development time

BUILT FOR POWER GENERATION

Many power conversion suppliers originate from:

- Solar
- Industrial automation
- Utility sectors

Mecc Alte originates from:

POWER GENERATION

For decades, Mecc Alte products have been used in critical power applications worldwide.

This expertise now supports the transition toward battery energy storage and hybrid power systems.

TRUSTED EU COMPONENTS

The majority of energy storage systems rely on globally sourced components from multiple suppliers.

The ONE Platform combines trusted European power conversion technology supported by global technical expertise and local support.

This provides:

- Confidence
- Availability
- Technical support
- Long-term lifecycle security

NATIVE SYSTEM INTEGRATION

When paired with Mecc Alte energy management controllers, additional functionality can be unlocked including:

- Advanced load sharing
- Native CANBUS communication
- Simplified parallel operation
- Reduced wiring requirements
- Faster commissioning
- Enhanced system visibility

BESS ONE PCK



POWER COMPONENTS KIT

MAXIMUM FLEXIBILITY

ONE PCK provides OEMs with a complete package of coordinated power conversion components supplied for integration into their own energy storage architecture.

It allows manufacturers to retain maximum flexibility over:

- Container design
- Cabinet design
- Packaging
- Electrical architecture
- Product differentiation

While benefiting from a coordinated power conversion ecosystem.

BENEFITS

- Reduced component selection effort
- Simplified system integration
- Coordinated architecture
- Global support
- Faster development

TYPICAL CONTENTS

- MP inverter modules
- BESS200 System Controller + EMS
- Protection devices
- Communication hardware
- Power conversion components
- Technical integration support

IDEAL FOR

- ✓ Experienced OEMs
- ✓ Custom BESS projects
- ✓ Bespoke container designs
- ✓ High volume production
- ✓ Product differentiation

BESS ONE PCS



POWER COMPONENTS SYSTEM

REDUCED COMPLEXITY

ONE PCS provides a fully integrated and pre-engineered power conversion solution.

By combining key power conversion components into a simplified architecture, ONE PCS reduces engineering effort, installation complexity and project risk.

OEMs can focus on their system design rather than individual component integration.

BENEFITS

- Reduced engineering time
- Faster commissioning
- Simplified installation
- Reduced wiring complexity
- Lower project risk
- Faster route to market

IDEAL FOR

- ✓ New BESS manufacturers
- ✓ Rapid development projects
- ✓ Rental applications
- ✓ Mobile energy storage systems
- ✓ OEMs seeking reduced integration effort

BUILT AROUND THE ONE PLATFORM

ONE PCS retains the same trusted architecture, power generation expertise and support structure as ONE PCK while delivering a higher level of integration and simplicity.

MECC ALTE POWER CONVERSION SYSTEMS

TRUSTED EU COMPONENTS

BUILT FOR POWER GENERATION

SIMPLIFYING ENERGY STORAGE INTEGRATION