

# Ovation™ Compact Controller

## Scalable Controller Designed for Standalone Power, Renewable or Microgrid Applications

The Ovation™ compact controller, model OCC100, provides a robust automation solution with a smaller footprint for processes and equipment traditionally controlled by PLCs. The controller's modular design can be scaled down for standalone, skid-mounted equipment or natively merged into a larger, plant-wide Ovation distributed control system. Built-in wide-area-network capability, using cell or wireless communication technologies, helps power producers cost-effectively manage vital distributed assets.



### Reliable

Enables "set-it and forget-it" control solutions for smaller applications, providing the same reliability as Ovation systems for larger plant applications.



### Secure

Native security features enhanced by comprehensive cybersecurity services and solutions help protect assets against threats.



### Scalable

Flexible layout and I/O placement options enable installation in space-constrained areas or existing cabinets.



### Rugged

Designed to meet wider operating temperature specifications, allowing for placement close to field equipment or in harsh environments.



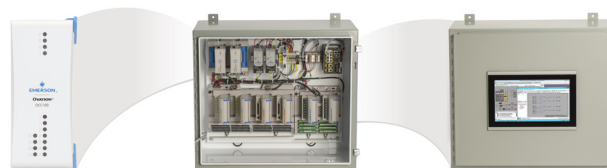
### Integrated

Perfect for geographically dispersed assets that require a standalone system or remote communication with an existing Ovation host.



### Trusted

Comprehensive lifecycle support from a single, trusted and stable vendor with a history of long-term customer service in the power industry.



The Ovation OCC100 controller is poised to help power generators harness the benefits of the Industrial Internet of Things (IIoT).

# Flexible Automation Solutions for Power



The Ovation OCC100 controller cost-effectively extends the proven Ovation platform from large-scale, more traditional power generation operations to small-scale applications and widely distributed assets. The fit-for-purpose controller is particularly well-suited for utilities and independent power producers with growing and diverse renewable generation portfolios.

While ideal for secure, reliable and direct control close to field devices or plant equipment, the OCC100 controller also addresses applications for a wide variety of power generating assets. By eliminating PLC-based islands of automation, the Ovation OCC100 controller provides data integration capabilities necessary for optimal operating efficiency.

## Solar

- Generation curtailment and ramp rate control
- Voltage regulation
- Solar field management with or without battery storage
- Coordination of generation from multiple solar fields

## Hydro

- Governor
- Unit processes
- Plant common equipment
- Fleet or cascade management
- Remote monitoring
- Small powerhouse management

## Combined Cycle

- Gas turbines
- Steam turbines
- Duct burner management
- Water treatment

## Energy Storage

- Charge/discharge balancing
- Plant active/reactive power control
- Curtailment/ramp control
- Dispatch scheduling
- Fast frequency response

## Conventional Fossil

- Ash handling
- Combustion
- Chemical feeds
- Fuel handling
- Soot blowing
- Water treatment

## Microgrid

- Energy resource management including renewables and battery energy storage systems
- Point of common coupling control
- Individual generating asset control & monitoring



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For more information:  
[www.Emerson.com/Ovation](http://www.Emerson.com/Ovation)

  
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