

Power Plant Controller

Grid-compliant feed-in management with the Power Plant Controller

The Weidmüller Power Plant Controller provides a central control solution for modern energy generation plants. It continuously monitors key grid parameters at the point of connection, controls active and reactive power and ensures that photovoltaics, wind energy and storage systems always operate in line with grid operator requirements.

By processing external setpoints and controlling active and reactive power, the Power Plant Controller actively contributes to grid stability. Its open and powerful system architecture enables flexible integration into a wide range of plant and communication infrastructures, meeting both current and future grid requirements.

Your benefits:

- Connectivity via IEC 60870-5-101 / -104, Modbus TCP / RTU, OPC UA and MQTT
- Multiple interfaces for easy integration into existing plant infrastructures
- Secure remote access for service, maintenance and monitoring
- Integrated IT security and firewall functions
- Transparent visualisation, monitoring and reporting of plant data

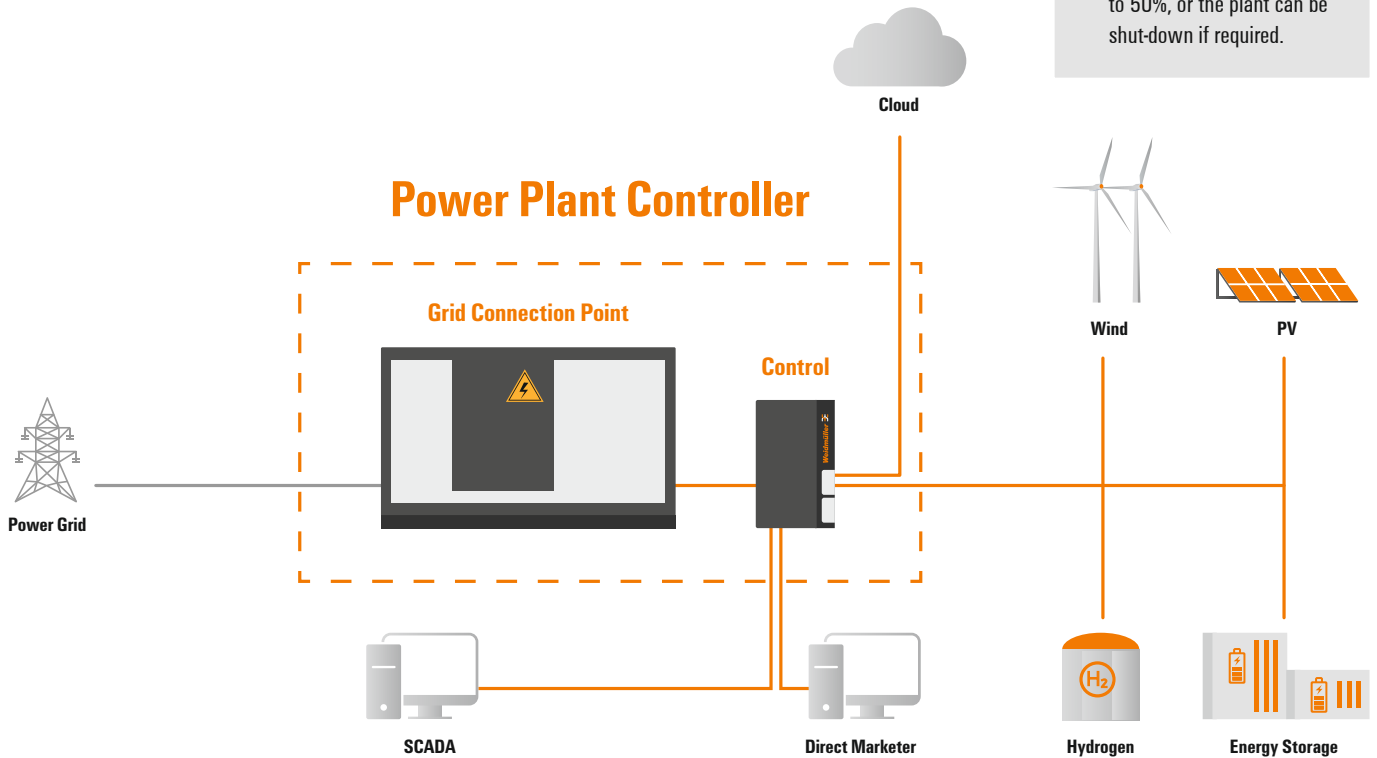


More information on our website:
www.weidmueller.com/ppc

From measurement to grid stability

The Power Plant Controller continuously acquires measurement data at the point of connection and processes it within the integrated control logic. Based on the configured parameters, control values are calculated and transmitted to the connected plant components via the available communication interfaces.

i In the event of an external grid operator setpoint, feed-in power can be reduced, e. g. to 50%, or the plant can be shut-down if required.



Certified

Component certified according to VDE-AR-N 4110/4120



Quick implementation

Reduced integration and configuration effort



Flexible

Future-proof thanks to our open and flexible system architecture

The right control solution for your large-scale project

Our experts are happy to support you in selecting the right Power Plant Controller solution for your application. Get in touch with us to discuss your requirements.



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