



SCHIEDERWERK

CUSTOM POWER SUPPLIES

From concept to performance –
tailored power solutions that
move your innovation forward.



Powering Your Ideas. Realizing Your Vision.

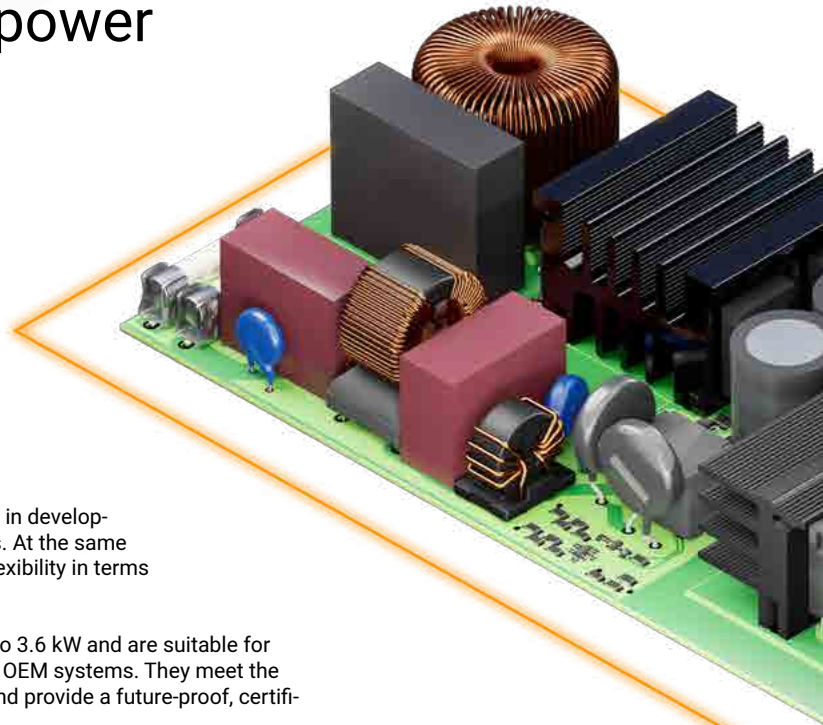
Using our advanced power design platform.

Maximum performance and flexibility for demanding applications

SCHIEDERWERK's custom switch-mode power supplies combine high efficiency, reliability, and maximum design freedom in a powerful solution. Based on the modular Power Supply Kit (PSK), tailored power supply systems are developed quickly, precisely, and in full compliance with applicable standards – aligning exactly with specific customer requirements.

The platform-based approach enables a significant reduction in development times while lowering project costs and minimizing risks. At the same time, the modular architecture ensures high scalability and flexibility in terms of performance, form factor, and interfaces.






The switch-mode power supplies cover a power range of up to 3.6 kW and are suitable for applications in medical technology, industry, and as complex OEM systems. They meet the highest requirements for safety and regulatory compliance and provide a future-proof, certifiable solution for regulated markets.

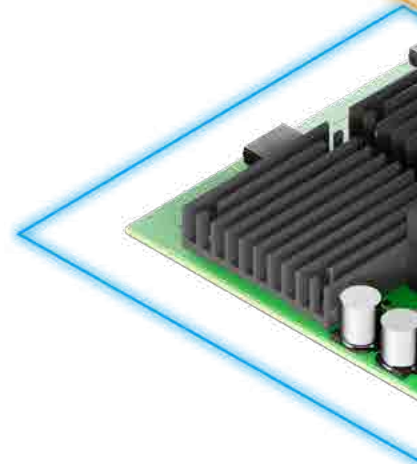


Your Advantages

- Substantially accelerated development
- Lowered costs and mitigated risks
- Regulatory-compliant, certifiable solutions
- Flexible customization to meet customer requirements
- Power range up to 3.6 kW per device
- Supports design-in processes
- Full design flexibility

Key Features

-  Wide-Range input
-  Reinforced isolation
-  Medical-grade power supply (compliant with IEC 60601)
-  Configurable output channels
-  Cost efficiency



Power for demanding applications

Using the Power Supply Kit, we design and manufacture switch-mode power supplies for the following applications:

- Battery-powered medical devices
- Test & measurement instruments
- Electric dental treatment units
- Power management systems
- Light sources for endoscopy systems
- Operating tables
- Battery chargers
- X-ray equipment
- Ultrasound equipment

1. Choose your Front end

Each front end includes the following modules: protection, filtering, a PFC converter, an energy buffer, and an isolating main DC/DC converter. All designed to meet your required power level.

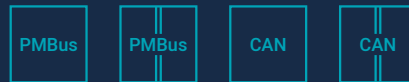


2. Choose your Output Modules

Our output modules are designed to meet your specific needs, offering DC and AC options, galvanic isolation, and bidirectional capability.



3. Choose your Communication Interfaces

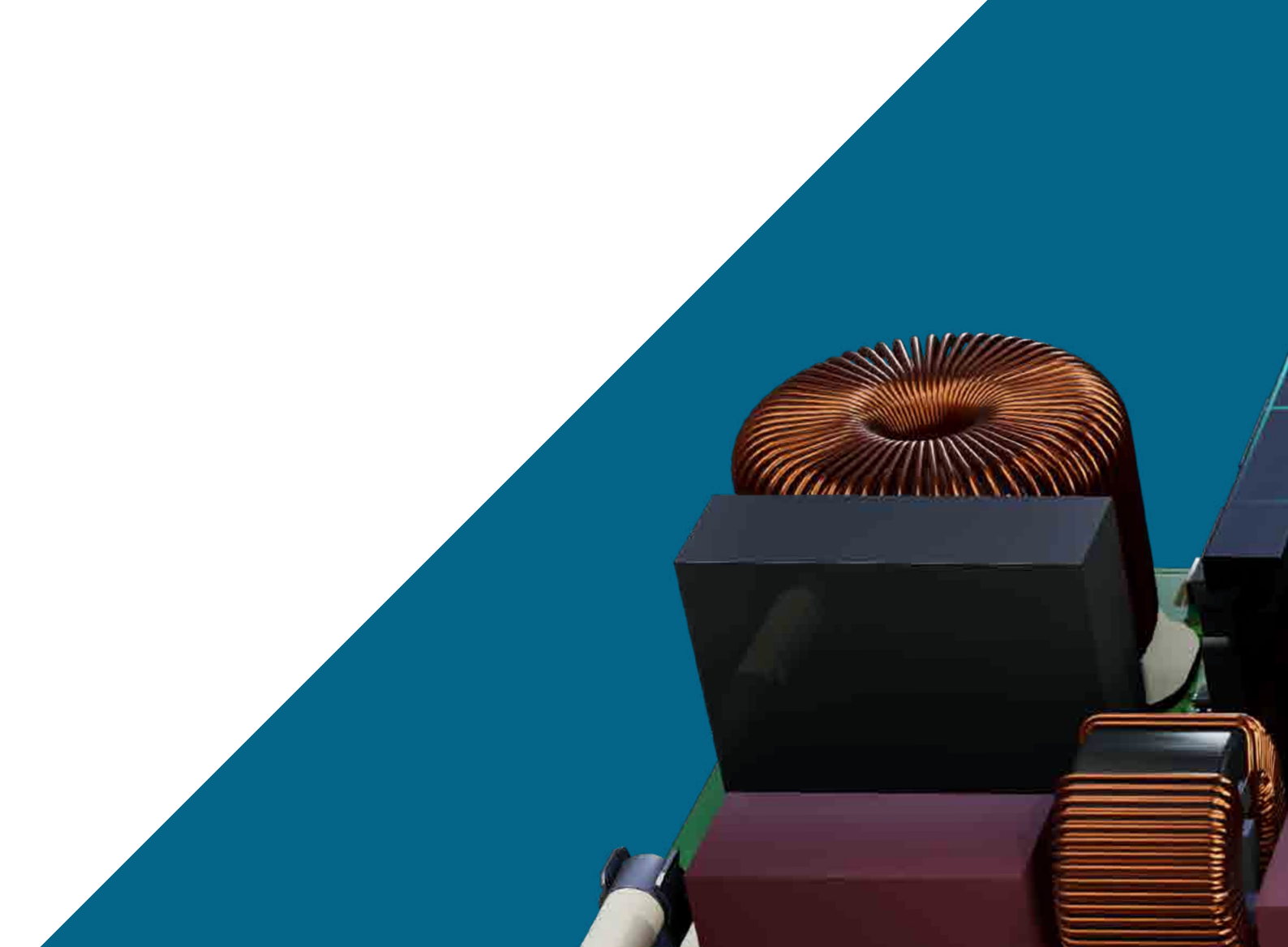


4. Add your Custom Functions

We support custom designs such as: Battery Charger, Uninterruptible Power Supply (UPS), Power Management, Modulated Output, High-Frequency Output, or Pulsed Output.

Learn more





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