

# Customized Chargers up to 500kW

EPS power supply will find the solution for your application! Made in Germany

Charging systems are used for many different ends. You may only have a common lead-acid battery to load or you might have extensive demands on environmental conditions and reliability. Our consistently modular systems allow to cover almost all areas efficiently. Thus, the following parameters can be adjusted on request:

- Tropical protection
- Protection up to IP55
- Ruggedizing
- Temperature compensation
- Battery monitoring
- Deep discharge protection
- Display of voltage and current with analog or digital display
- Fault monitoring
- Analog or digital programming
- Charging characteristic with timer
- Protection against reverse polarity and sparking
- MTBF

### Our customers use EPS products for many years in these fields:

- Industry
- Automotive industry
- Rail / transport
- Energy production (utility, hydropower)
- Data centers (UPS)
- Autonomous power supply (isolated operation)



Charging system for batteries



Hydroelectric power station, redundancy n+2

# Customized UPS up to 650kVA

With UPS plants, it's all about security and reliability. Many companies have relied on EPS for years – and with good reason! We use only selected and proven components to build a UPS starting with the network monitoring through to the charging technology of the energy storage, the battery stacks and it doesn't end with the solid construction of the power unit and output monitoring. With the built-in test functions the user knows at any time how effective the protection really is. The performance of EPS is topped off by reliable service and your personal point of contact.

- Single-phase UPS systems (up to 200 kVA)
- Three-phase UPS systems (up to 650 kVA)
- System performance up to 1500 kVA (n+1 operation)
- N+1, N+2 redundancy
- High efficiency
- Error monitoring
- CAN/Ethernet interfaces for controlling and monitoring
- Monitoring and diagnostic software
- Automatically and manually controlled bypass system
- Battery monitoring with deep discharge protection
- Parallel operation of up to 8 systems
- Choice of thyristor or transistor technology
- MTBF: approx. 70.000h @ 40 ° C



UPS System in a cabinet



LCD display of the most important parameters



Data center