

# RECTIFIER-INVERTER SYSTEMS



Input voltage 400/230 VAC and 24/48/60/108/216V DC

Output voltage 24/48/60/108/216 VDC und 230VAC

Our power supply systems are designed in consideration of state-of-the-art circuit topology combined with field-proven 19" -compatible slide-in mechanics. The switch mode power supply system layout is the preferable solution for secure DC and AC power supplies in the following fields of applications:

- ◆ Modular UPS systems
- ◆ Secure DC power supply in standby parallel operation mode of rectifier and battery
- ◆ Direct feeding of DC consumer
- ◆ Telecommunication and IT requirements
- ◆ Process operation control for chemical industries
- ◆ Control systems, e.g. "low voltage switch gear systems"
- ◆ Auxiliary power supply for power plants and sub-stations
- ◆ Power supply for control installations in power plants out of 110 or 220 VDC-secure busbar
- ◆ General industrie

The parallel operation mode as integrated standard of each single module results in high-grade flexibility of power supply solutions in the n+1 configuration even for higher power demands.

Customized power solutions with different voltage levels can be realized in an compact designed system configuration.

- ➔ Easy to handle 19" system "HOT-PLUG-IN" ability
- ➔ Compact design; low weight of single components
- ➔ CAN bus ability optional
- ➔ Remote maintenance via modem (optional)
- ➔ Parallel operation ability (n+1-principle)



# Technical Data

**Input Voltage****Rectifier**

Nominal voltage 400/230 VAC

**Inverter**

Nominal voltage 24/48/60/108/216 VDC

**Output****Rectifier**

Nominal voltage 24/48/60/108/216 VDC

Max. system output power 720 ADC (higher output by means of system parallel connection)

**Inverter**

Nominal voltage 230 VAC (3-phasige system optional)

Max. system output power 40 kVA

**Ambient Conditions**

Ambient temperature -10...40°C, increased range optional

Altitude <= 1000m a.s.l., increased range optional

Climate conditions IEC 721-3-3

Audible noise < 40 dB(A) in a distance of 1 m

**Mechanical Construction**

Design Steel cabinet

Dimensions (B / H / T) 600 / 1800 / 600 mm (different dimensions optional)

Cooling air-cooling (self ventilation or fan according to power demand)

Protection class / degree 1 in accordance with EN 60950 / IP 20

Finish RAL 7032

**Standards**

Safety EN 60950, VDE 0110, EN 50178, EN 60146

EMC EN 55022 class B, EN 61000-4 parts 2-5

**Standard design**

Monitoring Module monitoring

Optional system monitoring via MU1000C module

Signalling General fault alarm (optional: single fault alarm)

Microprocessor control Programmable modul parameter and monitoring values