Series CPW / BPW 5700

Extremely Reliable Power Conversion System

100W up to 3MW

www.schaeferpower.com
The current SCHAEFER product portfolio is now supplemented by series 5700 with an output power of up to 30kW per module. The extreme low-noise power supplies in a high power density compact design allow the implementation of client specific requirements.

**TYPICAL APPLICATIONS**

- Test & measurement engineering
- Production engineering
- Heavy Industrial
- Process technology
- Process engineering
- Research institutions
- Biotechnology
- Chemical industry
- Medical engineering
- Laser industry
- Mechanical engineering
- Military Industry (COTS)
FEATURES

- Low harmonics through active PFC (built to meet Mil-Std-1399 / Mil-Std-461)
- Complies with IEEE 519 and IEC 61000-3-2
- Innovative low-loss 3-Level Topology
- Low output ripple
- Low leakage current
- High power density
- High reliability (MTBF > 100,000h @40°C acc. to MIL-HDBK-217E)
- Robust COTS solution
- Liquid cooled power supply
- Optimized liquid cooling via integrated valve control
- Wide input range for 200 / 400 / 440 / 480V
- Wide range of selectable output voltages and currents
- Easy integration via 19” design
- Built to meet Mil-Std-167, Mil-Std-810, Mil-Std-901D, etc...

OPTIONS

- Power enhancement via parallel connection (100’s of KW)
- Redundant operation
- Operating behaviour of the power supply is individually adaptable
- All standard analogue and digital interfaces available/ others upon request
- Communications protocol (CAN Bus, RS 485, ...) individually adaptable
- Firmware upgradeable by user
- Current or voltage source solution compatible
- Shock and vibration resistant for tough environments (e.g. EN61373)
- Protection against humidity, dust, aggressive environment
- Operational within extended temperature range to -40°C
- Extreme extra mechanical strength / ruggedization
- Higher output power, ride-through, duty cycle optimization, etc...