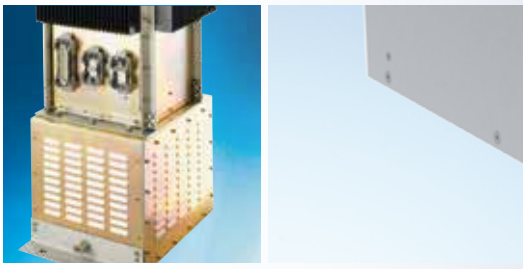


# SCHAEFER

Series CPW / BPW 5700

100W up to 3MW

Extremly Reliable Power Conversion System



[www.schaeferpower.com](http://www.schaeferpower.com)

# 5 - 30kW Power Supply System

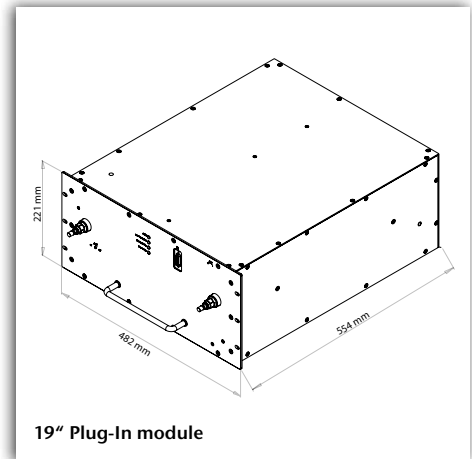
## ONE PARTNER, THE SOLUTION.

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)





19" Plug-In module



## 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...