

ELECTROMAGNETIC COMPATIBILITY / PRODUCT SAFETY

Testing services for power supply units

Standard-conformant testing

Emission tests

- Measurements of harmonics and flicker voltage in accordance with **EN 61000-3-2/-3 and EN 61000-3-11/12**
- Measurement of single harmonics
- Representation of timing behavior

Immunity tests

- Voltage dips, short breaks in power supply and voltage fluctuations for AC and DC equipment in accordance with **EN 61000-4-11/13/14/17/27/28/29**
- **EN 61496-1 Germ. Lloyd**
- **ISO 7637 and SAE J 1113**
- **NEW!** Simultaneous measurement of all phases at 3-phase systems
- Stressing systems with free selectable wave shapes
- Generation of amplitude and frequency pulses

Customer tests

Test objects

- All power supply units in the range 0 – 380 V, 3-phase, 0-5 kHz, (low level range up to 50 kHz)
- continuous rating AC 60 kW (3-phase)
- continuous rating DC 20 kW

Test scope

- Simulation of network failures, voltage reductions and increases
- Harmonic content analyses
- Documentation of inrush currents, load curves with 9-channel transient recorder

Measurement station for harmonics and power breaks



Basic-EMC-System

EMV D 60000/PAS

for three-phase measurements
according to
EN 61000-3-2/3; EN 61000-3-11/12;
EN 61000-4-11; EN 61000-4-13;
EN 61000-4-14; EN 61000-4-17;
EN 61000-4-27; EN 61000-4-28;
EN 61000-4-29; EN 61131-2;
EN 61496-1; Germ. Lloyd;
ISO 7637 and SAE J 1113

Power:

Continuous: 60.000VA
Short-time: 120.000VA
Peak: 600.000 VA

SGS Germany GmbH
Center for Quality Engineering
Hofmannstrasse 50
81379 Munich
Phone: +49 89 / 787475-100
Fax: +49 89 / 1250406-4100
e-mail: cqe@sgs.com
internet: www.sgs-cqe.de

Contact: Armin Hudetz
Phone: +49 89 / 787475-133