

SCHIEDERWERK



SWG 4x2000

Powering Precision:
8 kW, 4 Independent Channels,
Exceptional Process Stability.

A DIVISION OF  GROUPE LEGRIS INDUSTRIES

SWG 4x2000

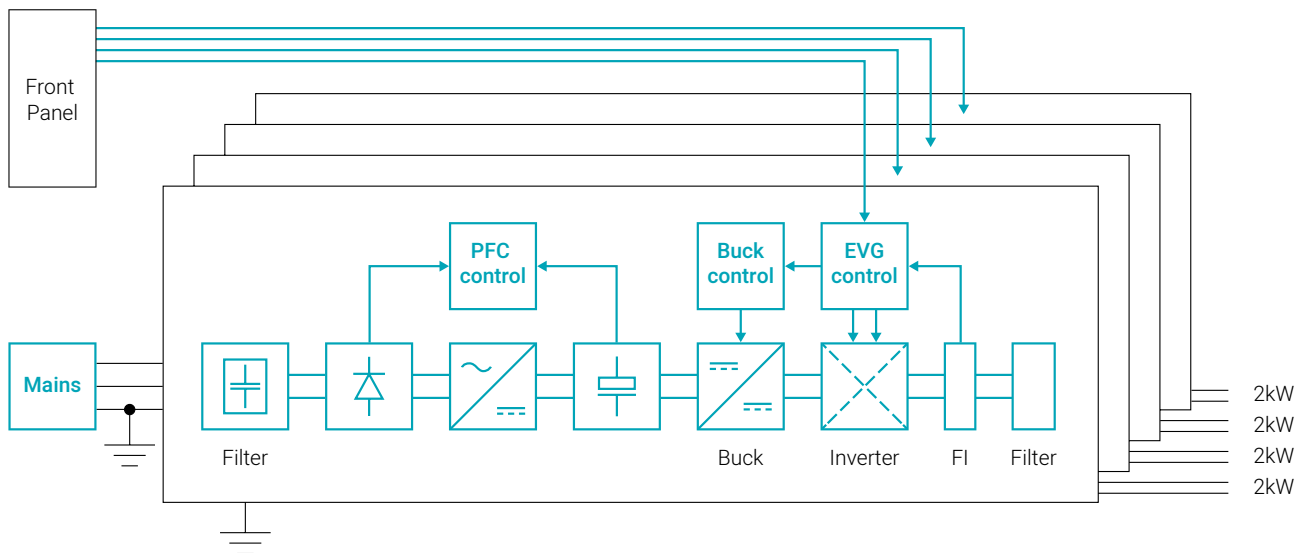
Providing 8 kW of power and 4 independent channels for maximum control, stability, and precision.

The SWG 4x2000 square-wave current generator is a high-performance electronic ballast designed for operating AC-driven HID lamps. The system has been engineered for demanding applications that require maximum levels of light stability, precise power control, high energy efficiency, and operational reliability.

With a total output power of up to 8 kW, 4 independent 2 kW power stages, and highly accurate power regulation, this electronic control gear

(ECG) is ideally suited for applications such as solar simulation, corrosion testing systems, water disinfection systems, crash test applications, and professional lighting systems for film and television.

Thanks to intelligent monitoring functions, predictive maintenance capabilities, and extensive protection mechanisms, the SWG 4x2000 ballast ensures reliable continuous operation – even under challenging operating conditions.



Technical Data

Input voltage	230 V ± 10 % (others on request)
Efficiency	> 93 %
Line frequency	50/60 Hz
Operating principle	DC link $\rightarrow$ inverter $\rightarrow$ square-wave current
Output frequency	100 Hz
Output current	up to 60 A
Total output power	up to 8 kW

Power stages	4 $\times$ 2 kW
Power control	factory programmable
Dimming	down to 40 %, independent per channel
Standards	EN 61000-3-2 Class C
Certification	CE
Form factor	19" rack-mount module
Height	3U

Key Features

- Up to 8 kW total output power via 4 independent 2 kW channels
- 100 Hz square-wave current output
- Output current up to 60 A
- Precise power control for stable operating conditions
- Dimming capability down to 40 %, individually adjustable per channel
- Predictive maintenance functions to increase system availability
- Comprehensive protection features for lamp and system
- Low line harmonic distortion in accordance with EN 61000-3-2 Class C