

GECC 3000 GECC 1500

DC Voltage
Power Supply Unit



DC Voltage Power Supply Unit

The DC voltage power supply models GECC3000/1500 are designed for supplying the DC voltage and current for the testing of: high voltage circuit breakers, DC motors, Protection systems and in general any type of system requiring an high-power, ripple free DC power supply.

GECC3000

- Powerful output up 3.3 KW
- Lightweight: only 25 kg
- Ripple free power supply
- For testing circuit breaker, DC motors and protection system

GECC1500

- Powerful output up 1.65 KW
- Lightweight: only 11,5 kg
- Ripple free power supply
- For testing circuit breaker, DC motors and protection system

Technical characteristics

Output adjustment: by two potentiometers, one for the voltage and one for the overload current.

Output power :

- GECC3000: 3,3 kW
- GECC1500 : 1,65 kW.
- Service: continuous duty.
- Output ripple: less than 1% with no load, and 2.5% at full load.
- Temperature coefficient: greater than 100 ppm/°C.
- Load stability: better than 2% between unloaded and maximum load.
- Yeld, at full power: better than 80%.

Measurement

Two large LED meters:

- . Voltage: 3 digit digital instrument, full scale 999 V;
- . Current: 3 digit digital instrument, full scale 99.9 A.
- . Accuracy: 1% of the measurement \pm 0.1% of the selected range.

Connections

Output connection: by connector.

Mains connection: by a two meter cable connected to the instrument via a plug. Longer cable options are available up to 8m.

Power supply

Mains voltage supply: 230V or 120V +/- 15%, 50 - 60 Hz, single phase.

Maximum supply current: 20 A.

Case

Metallic case with handles.

Weight and dimensions

Weight:

- GECC3000 : 25kg
- GECC1500 : 11,5kg

Dimensions:

- GECC3000: 400 (l) x 180 (h) x 410 (d) mm
- GECC1500 : 265 (l); 165 (h); 340 (d) mm

Protections

Fuse on mains supply.

Filter on mains supply.

Soft-start electronic circuit.

Protection for start under load, with internal logic to stabilize the sequence depending upon the capacitor charge.

Electronic protection for the output in a short circuit or open circuit conditions.

Protection for maximum current, adjustable by potentiometer.

Indication light in case of overload.

Thermal protection.

Indication light in case of over-temperature.

Accessories supplied with the unit

Power supply cable.

Output connectors.

Operating manuals.

Applicable standards

Electromagnetic compatibility

Directive no. 89/336/CEE dated May 3, 1989, modified by the directive 92/31/CEE dated May 5, 1992.

Applicable Standards:

EN 50081-2; EN 50082-2; EN 55011; EN 61000-3-3;

EN 50082-2; ENV 50140; ENV 50141; ENV 50204;

IEC 1000-4-2; IEC1000-4-4; IEC 1000-4-6; IEC 1000-4-8.

Low voltage directive

Directive n. 73/23/CEE, modified by the directive 93/68/CEE.

Applicable standards, for a class I instrument, pollution degree 2, installation category II: CEI EN 61010-1.

In particular:

. Operating temperature: 0 - 45°C; storage: -25°C to 70°C.

. Relative humidity: 10 - 80% without condensing.

Ordering information:

CODE	MODULE
43087	GECC3000 125/250V - 3000W
43086	GECC1500 125/250V - 1500W

GECC3000/1500 Specification

Voltage outputs

Two range adjustable

	GECC3000	GECC1500
RANGE	VOLTAGE V	
1	0...125 V	0...125 V
2	0...250 V	0...250V
Power	3300 W	1650 W

Current limit control

Two range adjustable

	GECC3000	GECC1500
RANGE	CURRENT A	
1	0... 27 A	0... 13,5 A
2	0... 13,5 A	0... 6,5 A



