



GECC3000

DC Voltage Power Supply Unit

- POWERFUL OUTPUT UP 3.3 KW
- LIGHTWEIGHT: ONLY 25 KG
- RIPPLE FREE POWER SUPPLY
- FOR TESTING CIRCUIT BREAKER, DC MOTORS AND PROTECTION SYSTEM

Application

The DC voltage power supply model **GECC3000** is 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 Specification

Voltage outputs

Two range adjustable

RANGE	VOLTAGE V
1	0...125
2	0...250
POWER	3300 W

Current limit control

Two range adjustable

RANGE	CURRENT A
1	0...27
2	0...13.5

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

Output power: 3.3 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.

Yield, 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 ± 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.

Power supply

Mains voltage supply: 230 V, 50 - 60 Hz, single phase.

Maximum supply current: 20 A.

Case

Metallic case with handles.

Weight and dimensions

Weight: 25 kg.

Dimensions: 400 (w) x 180 (h) x 410 (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 condition.

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.

The document is subject to change without notice

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