

for over 20 years **Leader** in Energy Conversion

for: **Electronic Loads**

Current Generators

AC-DC Power Supplies

Introduce its last achievement:

Linear Generator

for rail and tram tests

3Vdc - 3.000Amp

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To follow the Photograph sequence

DEX 3 - 3.000

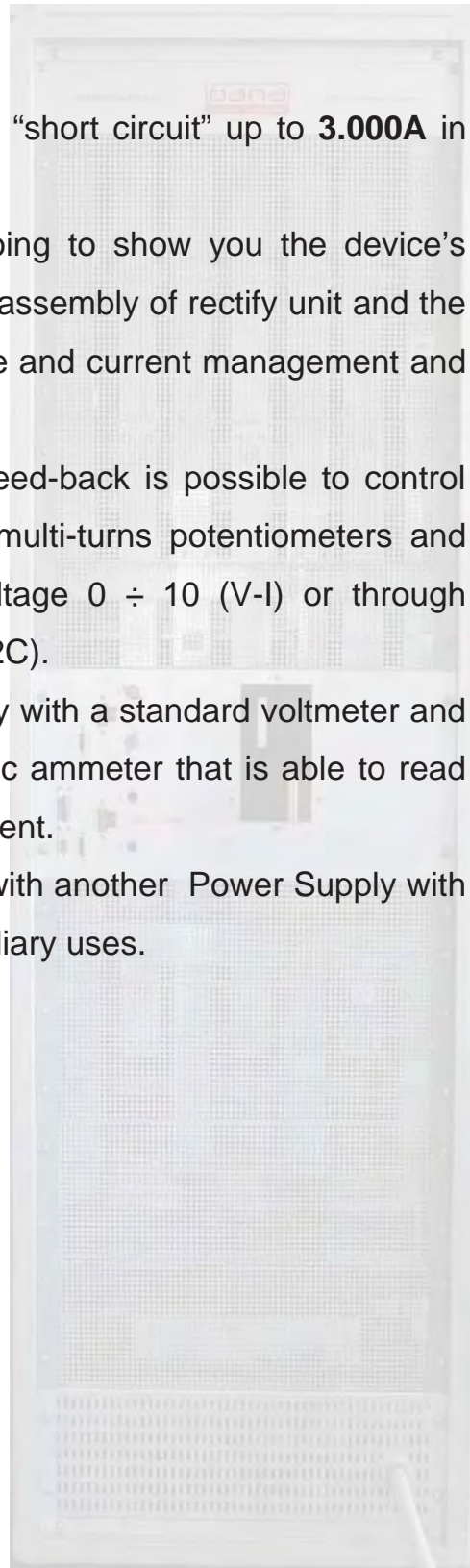
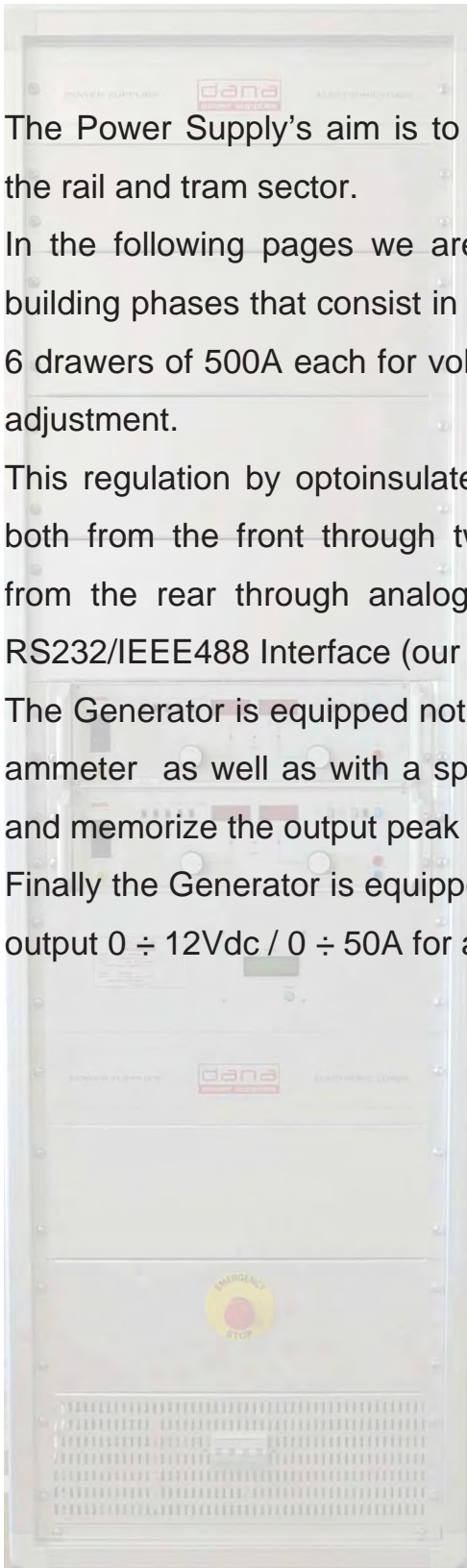
The Power Supply's aim is to test "short circuit" up to **3.000A** in the rail and tram sector.

In the following pages we are going to show you the device's building phases that consist in the assembly of rectify unit and the 6 drawers of 500A each for voltage and current management and adjustment.

This regulation by optoinsulated feed-back is possible to control both from the front through two multi-turns potentiometers and from the rear through analog voltage $0 \div 10$ (V-I) or through RS232/IEEE488 Interface (our PS2C).

The Generator is equipped not only with a standard voltmeter and ammeter as well as with a specific ammeter that is able to read and memorize the output peak current.

Finally the Generator is equipped with another Power Supply with output $0 \div 12\text{Vdc}$ / $0 \div 50\text{A}$ for auxiliary uses.





1th Step

Rectify Unit's assembly includes 3.000A transformer
and an esa-phase bridge



2th Step

Assembly of 6 Power Management Units (500A each)

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3th Step

Assembly of connection units copper's wire bares

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4th Step

Electrolytic Capacitors' assembly

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5th Step

Controls and auxiliary systems' inter-wiring

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6th Step

Assembly of output sections manufactured with 120 X 10 mm
copper's wire bar



7th Stage
Detail of the Output Rear Panel



Front



Rear



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