PROGRAMMABLE POWER SUPPLY

RoHS 2002/95/EC

POWERFUL **ALR3220**

640 WATTS
0 - 32V   0 - 20A

VISUAL	:	Large graphic display
TOUCH	:	Sensitiv keyboard
CONNECTED	:	USB, RS232, RS485 & 0-10V insulated
PERFORMANCE	:	output in the back-side, used for remote-sensing
FUNCTIONS	:	square, positive and negative ramp, rise or fall time
ELEGANT	:	New design and feathery
SPACE-SAVING	:	vertical & compact box
PRACTICAL	:	Lightweight with built-in handle and cord storage area.
QUIET	:	Silent temperature-controlled fan cooling.
LOCKING	:	configuration & stand-by

Distributed by:

testoon.com
The measurement website

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335
250
155
3.55 Kg
13 dm³

111
260
210
3.15 Kg
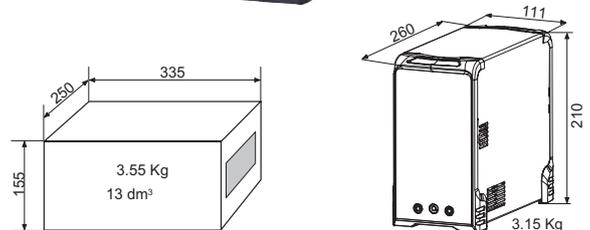
Specifications

Voltage
- Floating outputs : on 4mm safety terminals in the front-side, and on screw terminal block for 2.5mm² on the back-side.
- Automatic constant voltage operation.
- Adjustable from 0 to 32.00 Volts (0 to ±10mV) ; resolution : 10mV.
- Setting accuracy : < 0,03% that to say ±10 mV.
- Regulation   : < 50mV for a load change from 10 to 90%.
                   < 1mV for a ±10% line change.
- Ripple   : < 1mV rms including :
                   < 3 mV peak to peak of noise (BP 20 MHz)
                   < 15mV peak to peak of switching spikes
- Internal resistance : < 4mΩ.
- Display : 4 digits on graphic LCD.
- Accuracy measurement : < 0,03% that to say ±10 mV.

Current
- Automatic constant current operation.
- Adjustable from 0 to 20.00 Amps ; resolution : 10mA.
- Setting accuracy : < 0,05% that to say ±10 mA.
- Regulation : < 10mA for a load charge from 10 to 90%.
                   < 1mA for a ±10% line charge.
- Ondulation : < 6mA peak to peak or 2mA rms.
- Display : 4 digits on graphic LCD.
- Accuracy measurement : < 0,05% that to say ±10 mA.

Protections
- Against short-circuits, by current regulation.
- Against overtemperature by fan and thermal circuit-breaker.
- Against overcurrent on main input, by internal fuses.

Various and functions
- Dispaly : Graphic LCD 128 x 64 pixels with white backlight.
                   Visualization of all parameters
                   CV (Constant Voltage) mode or CC (Constant Current)
- Memory : 16 configurations.

- OVP/OCP : Against overvoltage and overcurrent, adjustable from 0 to maxi.
- Functions : 5 functions available on U or I
                   (square, positive and negative ramp, rise or fall time),
                   Time adjustement from 10ms to 100s.
- Remote sensing : automatic function on the front side output.
                   4 wires mode on the back-side's terminal blocks.
                   Correction of the voltage drop in the wires : 2V
- Standby : output, enable / disabled and standby of the power supply.

Interfaces
All the interfaces are insulated of the output (150V max).
- USB, RS232 and RS485 as a standard.
- Controller 0 – 10V : for U and I by direct input 0 - 10V
                   or potentiometer 10K or adjustable resistance 10K.
                   In the back side on disconnect scribe terminal blocks.

Other specifications
- Safety : Class I, enhanced safety between mains input and outputs.
                   Complies with EN 61010-1, CAT II.
- CEM : Complies with EN 61326-1 and EN 55011.
- Input voltage : 230 Volts ±10%, 50 / 60Hz.
- Mains input : EEC socket CEE 22 with 2 poles + earth cable
- Power consumption : 770W maxi.
- Efficiency : > 83% of the mawi powerfull.
- Operating temperature : +5 to +40°C.
- Coefficient of temperature /°C : 0.01% for the voltage ; 0.05% for the current.
- Voltage on the earth : 100V Max.
- Presentation : Front side with sensitiv keyboard, back side with handle and cord storage area, etallic case with epoxy finish.