

3 outputs  
Powerfull

**VISUAL  
SOFT-TOUCH  
CONNECTED**

- : Large graphic display
- : Sensitiv keypad
- : USB, RS485 & 0-10V isolated LabVIEW drivers and executable provided

**PERFORMANCE**

- : CH1 and CH2 outputs in the rear-panel with remote-sensing

**COUPLING  
FUNCTIONS**

- : Auto mode : Series, Parallel, Tracking
- : Arbitrary, square, positive and negative ramp, rise or fall time

**ELEGANT  
SPACE-SAVING  
PRACTICAL**

- : New design and feathery vertical & COMPACT BOX / 400W
- : Lightweight with built-in handle and cord storage area.

**QUIET  
LOCKING**

- : Silent temperature-controlled fan cooling.
- : configuration & stand-by

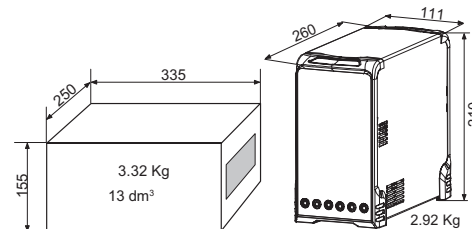
## 400 WATTS

2 x 0 - 32 V 0 - 6 A or  
1 x  $\pm$  0 - 32 V 0 - 6 A or  
1 x 0 - 64 V 0 - 6 A or  
1 x 0 - 32 V 0 - 12 A +  
1 x 1 - 15 V 3A/1A (15W)

LabVIEW



ULTRA-COMPACT



## Specifications

- Floating outputs : on 4mm safety terminals in the front-panel, and on spring terminal block with levers for 2mm<sup>2</sup> on the rear-panel for CH1 & CH2.
- Automatic constant voltage and current operation.

Channel	CH1 and CH2 (MASTER AND SLAVE)				CH3
	Independent	Tracking	Series	Parallel	Variable
<b>Output voltage</b>	<b>2 x 0 - 32 V</b>	<b><math>\pm</math> 0 - 32 V</b>	<b>0 - 64 V</b>	<b>0 - 32 V</b>	<b>1 - 15 V</b>
Minimum voltage	$\pm$ 10 mV	$\pm$ 10 mV	$\pm$ 20 mV	$\pm$ 10 mV	1 V $\pm$ 10 mV
Adjustement accuracy	0.03% or $\pm$ 10 mV (20 mV in series)				$\pm$ 10 mV
Ripple (mV rms)	< 0.7 mV	< 0.7 mV	< 1.5 mV	< 1 mV	< 2 mV
Pics of commutation (BP 20 MHz)	< 15 mVpp	< 15 mVpp	< 30 mVpp	< 30 mVpp	< 15 mVpp
Regulation / load 0 to 100%	12 mV	12 mV	24 mV	40 mV	20 mV
Regulation / source $\pm$ 10%	1 mV	1 mV	2 mV	1 mV	1 mV
Response Time load 10 to 90%	2 ms	2 ms	2 ms	5 ms	5 ms
Display resolution	10 mV	10 mV	20 mV	10 mV	10 mV
Accuracy measurement	0.03% or $\pm$ 10 mV (20 mV in series)				$\pm$ 10 mV
Display	4 digits + parameters on graphic LCD				
<b>Output current</b>	<b>2 x 0 - 6 A</b>	<b><math>\pm</math> 0 - 6 A</b>	<b>0 - 6 A</b>	<b>0 - 12 A</b>	<b>3 A / 1 A</b>
Minimum current	2 mA	2 mA	2 mA	10 mA	-
Adjustement accuracy	0.03% or $\pm$ 2 mA (10 mA in series)				-
Ripple (mArms)	<1 mA	<1 mA	<1 mA	<1 mA	-
Regulation / load 0 to 100%	1 mA	1 mA	2 mA	2 mA	-
Regulation / source $\pm$ 10%	1 mA	1 mA	1 mA	1 mA	-
Display resolution	2 mA	2 mA	2 mA	10 mA	10 mA
Accuracy measurement	0.03% or $\pm$ 2 mA (10 mA in series)				$\pm$ 10 mA
Display	4 digits + parameters on graphic LCD				3 digits

**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**

- Display : Graphic LCD 128 x 64 pixels with white backlight. Visualization of all parameters (CV, CC, RMT, etc...)
- Memory : 16, including 15 configurable.
- OVP/OCV : Against overvoltage and overcurrent, adjustable from 0 to maxi.
- Functions : 6 available on CH1 & CH2 in U or I (Arbitrary, square, rising and falling periodically ramp, rise or fall time single shot). Time adjustment from 10 ms to 50 mn.
- Remote sensing : 4 wires mode on the back-side's terminal blocks. (only CH1&CH2) Correction of the voltage drop in the wires : 2V
- Standby : outputs, enable/disabled and standby of the power supply.

**Interfaces**

All the interfaces are insulated of the output (150V max).

- USB and RS485 are standard.
- LabVIEW's drivers and executable are in standard.
- 0 - 10V command : for U & I for CH1 or U for CH1 & CH2 by direct input 0 - 10V or 10K adjustable potentiometer/resistance.
- ON/OFF command : configurable on 3 channels.
- Command inputs : 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 : 220 - 240 Volts  $\pm$ 10%, 50 / 60Hz.
- Mains input : socket C14 with C13 2 poles + earth cable removable
- Power consumption : 495W maxi.
- Efficiency : > 80% of the maxi powerful.
- Operating temperature : +5 to +40°C.
- Coefficient of temperature /°C : 0.01% for the voltage and the current.
- Voltage on the earth : 100V Max.
- Presentation : Front-panel with sensitiv keypad, rear-panel with handle and cord storage area, metallic case with epoxy finish.