

SERIES LAB/SM LOW VOLTAGE, HIGH CURRENT SWITCH MODE DC Power Supply Up to 14,000 Watt



GENERAL

Constant voltage and constant current sources are standard for the power supply. The **LAB/SM Series** also offers as an *option* constant power and constant resistance operation in addition to standard Constant Current and Constant Voltage.

A variety of optional interfaces are available to allow for remote control. Your choice of *optional* analog programming and computer interfaces such as RS232 or IEEE 488.2 are available. Lab VIEW drivers are also offered on our power supply.

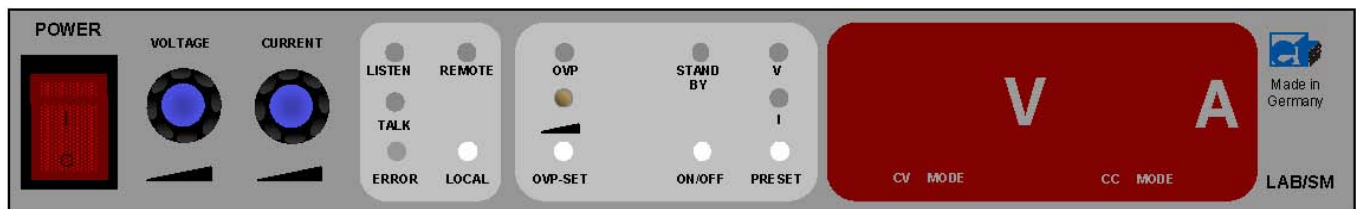
FEATURES:

Extremely compact due to **100kHz MOS / IGBT technology**

Constant Voltage and Constant Current mode

Digital display indicates all system parameters

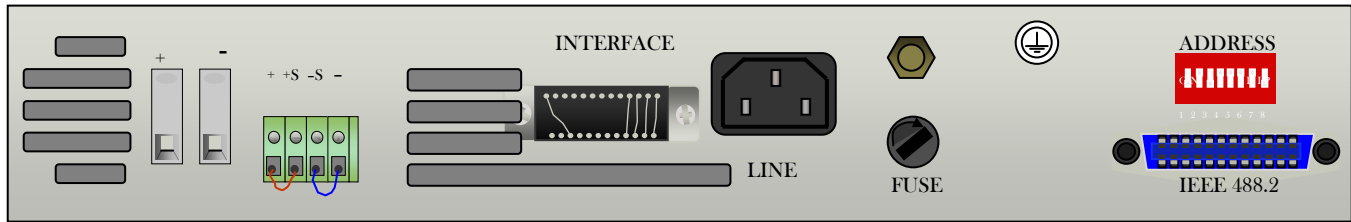
Front Panel



FRONT PANEL

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Rear panel with optional Computer Interface / Analog Programming



(Sense terminals to compensate a voltage drop on the load lines are standard !)

SPECIFICATION

Input voltage:	1-Phase, 115VAC, 47-63 Hz
Output Voltage:	0-DC
Output Current:	0-A
Output Power: Watt
Isolation:	3,000 VAC
Isolation class:	1
Voltage regulation:	+/- 0.05% +2mV
Current regulation:	+/- 0.1 % +2mA
Response time:	< 0.5ms
Ripple:	< 0.2%
Stability:	± 0.05%
Over-voltage protection:	5-110% V max
Voltage drop Sense lines:	5V at > 35V
Display:	3.5 digits for Voltage and Current
Protection:	OC / OV / OT / OP

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Specification continued.....

Operating temperature:	0 - 50°C
Operating Humidity:	30-90% (no dew drop)
Reduced Power from 50-70°C:	-2% / C
Cooling:	Forced air cooling, for front and back
Storage temperature:	-45 to + 85°C
Storage humidity:	10 - 95% (no dew drop)
Vibration:	10 - 55Hz /1 min / 2G XYZ

OPTIONS:

Analog programming (0 - 5V or 0 - 10V)

Floating analog programming (0 - 5V or 0 - 10V)

Computer interface IEEE 488 (GPIB) and / or RS232 / RS485

Constant resistive

Constant power mode