

EXL SERIES

PRODUCT DESCRIPTION

The EXL DC power supply has served on lab benches for years. This dual or quad output supply is rugged, low cost, and easy to use.

The new EXL utilizes proven technology with a friendly front panel featuring easy to read LED displays. We kept it sturdy to withstand abuse.

As a result, the EXL is the choice of many test and service environments. A reliable tool for testing prototypes or for electronics repair, you'll find the EXL on a bench, tucked into a corner or upon a shelf. You'll never have to move it; all of the displays, controls and outputs are on the front panel. In a college lab, you'll find an EXL DC power supply at every bench along with an oscilloscope and a simple function generator; a dependable part of the basic electronic tool set for bench users.

This DC power supply offers excellent value.

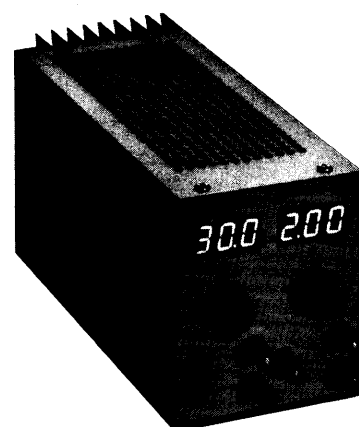
FEATURES

- Extremely rugged.
- Excellent regulation; low noise and ripple.
- Dual LED meters for reading voltage and current.
- Isolated short circuit-proof outputs.
- High resolution ten-turn potentiometer provides precise voltage control.
- Dual and quad output configurations.
- Independent or tracking operation on quad units.

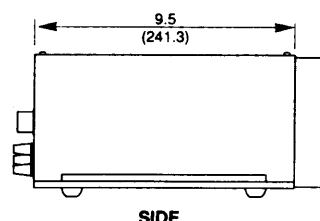
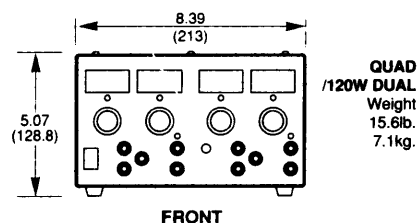
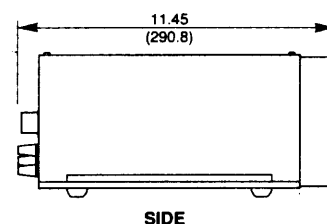
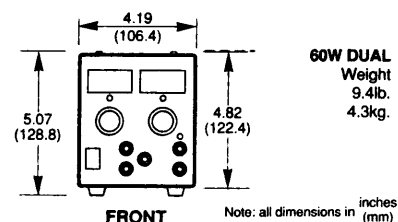
OPTIONS & ACCESSORIES

- **AC I/P:** Standard AC115, M2B for 220V standard in the UK.
- **M11:** 10-turn Current Potentiometer.

60/120 WATT DC POWER SUPPLY



DIMENSIONS



EXL SERIES

60/120 Watt DC Power Supply

SPECIFICATIONS¹

MODELS	EXH 20-3	EXL 30-2	EXL 60-1	EXL 20-6	EXL 30-4	EXL 60-2	EXLQ 20-3	EXLQ 30-2	EXLQ 60-1
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Output Ratings

Output Voltage	0-20V	0-30V	0-60V	0-20V	0-30V	0-60V	0-20V	0-30V	0-60V
Output Current	0-3A	0-2A	0-1A	0-6A	0-4A	0-2A	0-3A	0-2A	0-1A
Output Power	60W	60W	60W	120W	120W	120W	60W	60W	60W

Line Regulation²

Voltage (0.02% of Vmax+2mV)	6mV	8mV	14mV	6mV	8mV	14mV	6mV	8mV	14mV
Current (0.5% of Imax+250uA)	1.75mA	1.25mA	0.75mA	3.25mA	2.25mA	1.25mA	1.75mA	1.25mA	0.75mA

Load Regulation³

Voltage (0.02% of Vmax+2mV)	6mV	8mV	14mV	6mV	8mV	14mV	6mV	8mV	14mV
Current (0.05% of Imax+1mA)	1.75mA	1.25mA	0.75mA	3.25mA	2.25mA	1.25mA	1.75mA	1.25mA	0.75mA

Meter Accuracy

Voltage (1% of Vmax+1 count)	0.3V	0.4V	0.7V	0.3V	0.4V	0.7V	0.3V	0.4V	0.7V
Current (1% of Imax+1 count)	0.4A	0.03A	0.02A	0.07A	0.05A	0.03A	0.04A	0.03A	0.02A

¹Specifications are warranted over a temperature range of 0-30°C with default local sensing. Above 30°C, derate output linearly to zero at 70°C

²For input voltage variation over the AC input voltage range with constant rated load

³For 0-100% load variation, with constant nominal line voltage

AC Input Voltage Range: 104-127Vac, 47-63Hz

Maximum Input Current at Low AC Line Limit: 1.5A (60W Dual), 4.0A (120W Dual, 60W Quad)

Fixed Output Range: $\pm 5V \pm 4\%$, 0-3A minimum

Maximum Voltage Differential from output to safety ground: 500Vdc

Tracking Accuracy (Quad Unit): Adjustable to within $\pm 0.02\% + 5mV$

ADDITIONAL CHARACTERISTICS

Operating Ambient Temperature: 0-30°C with default local sensing. Above 30°C derate output linearly to zero at 70°C

Storage Temperature Range: -55 to +85°C

Humidity Range: 0 to 80% RH Non-condensing

Voltage Mode Transient Response Time: Maximum 100us to recover to within 50mV of regulation point for 25% to 75% load change

MODELS

MODEL NO.	Output -1 Variable		Output -2 Fixed		Output -3 Variable		Output -4 Fixed	
	VOLTAGE	CURRENT	VOLTAGE	CURRENT	VOLTAGE	CURRENT	VOLTAGE	CURRENT
60W DUAL								
EXL 20-3	0-20V	0-3A	+5V	3A _{Max}				
EXL 30-2	0-30V	0-2A	+5V	3A _{Max}				
EXL 60-1	0-60V	0-1A	+5V	3A _{Max}				
12W DUAL								
EXL 20-6	0-20V	0-6A	+5V	3A _{Max}				
EXL 30-4	0-30V	0-4A	+5V	3A _{Max}				
EXL 60-2	0-60V	0-2A	+5V	3A _{Max}				
60W QUAD								
EXLQ 20-3	0-20V	0-3A	+5V	3A _{Max}	0-20V	0-3A	+5V	3A _{Max}
EXLQ 30-2	0-30V	0-2A	+5V	3A _{Max}	0-30V	0-2A	+5V	3A _{Max}
EXLQ 60-1	0-60V	0-1A	+5V	3A _{Max}	0-60V	0-1A	+5V	3A _{Max}

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