



## FIXED PULSEWIDTH LASER CONTROLLER

- MICROPROCESSOR CONTROL
- MULTIPLE CONFIGURATION STORAGE
- PROGRAMMABLE DUTY CYCLE
- RS232 PORT FOR REMOTE CONTROL
- MULTIPLE PFN/POWER SUPPLY CONTROL



### DESCRIPTION:

The **Model 8800** Laser Flashlamp Controller provides fixed pulsewidth pulses for pumping solid-state lasers. The microprocessor provides the flexibility and convenience of software control. The system status is presented on an easy-to-read LCD graphics display. The **Model 8800** can be configured to include software, simmer supply and a capacitor charging power supply to form a complete turn-key laser flashlamp controller in a 19" rack mounted assembly. The **Model 8800** can also control up to three independent PFN/power supply outputs for Osc/Amp laser applications.

### SPECIFICATIONS:

<b>Input</b>	115VAC $\pm$ 10% or 198 to 253VAC 1 $\emptyset$ , 50/60Hz
<b>Output</b> Voltage	Up to 2500VDC
<b>Status Indicators</b>	System status displayed on LCD Power On LED High Voltage LED
<b>Size</b> Front Panel Chassis	7" x 19" 6.5" x 17" x 17"
<b>Weight</b>	<30 lbs. (PFN and power supply dependent)

<b>Standard Features</b>	Microprocessor/RS232 Menu driven interface PFN capacitor PFN inductor 28W simmer supply 8' HV lamp output cable 115/230VAC input cable with plug Operating Manual
<b>Options</b>	Custom software Custom PFN's Power supply up to 3kW 60W simmer supply



Specifications subject to change without notice.

Contact our applications staff for detailed information.

### APPLICATIONS:

*Solid-State Laser Control where Fixed Pulsewidths are Required.*

OPTIONS		8800-7
PFN Capacitor Value	10 $\mu$ F	-10
	25 $\mu$ F (STD)	-25
	50 $\mu$ F	-50
	100 $\mu$ F	-100
	150 $\mu$ F	-150
PFN Inductor Value	60 $\mu$ H (STD)	-60
	80 $\mu$ H	-80
	100 $\mu$ H	-100
	>100 to 300 $\mu$ H	-(value)
Power Supply	1500W	-5
	2500W	-10
Charge Voltage (up to 2.5kV) e.g. 1500V		-(value)
Simmer Output	28W	-S
	60W	-SZ
Input Voltage	110VAC, 1 $\emptyset$	-C
	230VAC, 1 $\emptyset$	-D

**Typical Part Number:**  
**8800-7-25-110-5-1500-SZ-D =**

Front Panel Height: 7"  
 Capacitor Value: 25 $\mu$ F  
 Inductor Value: 110 $\mu$ H  
 Power Supply: 1500W  
 Charge Voltage: 1500V  
 Simmer Power: 60W  
 Input: 230VAC, 1 $\emptyset$

