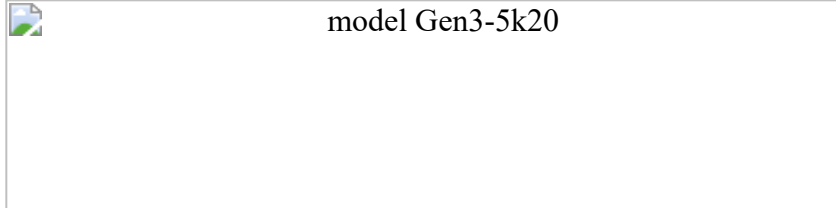


# **NEON POWER SUPPLY**

## **MODEL Gen3-5K20**



Vista, California 92081, USA  
Ph : (760) 727-6366



### **POWER REQUIREMENTS**

Voltage : 120 VAC, 50/60 Hz  
Current : 0.50 A max (depends on load)  
Power : 60 W max (depends on load)

### **INPUT CONNECTIONS**

Two AWG 18 leads, 8 inches long,  
or power cord, 8 ft long, black or white.

### **CONTROL (OPTIONAL)**

Red (+) and brown (-) wires can be  
connected to an electronic controller to  
modulate neon brightness or to gate the unit  
on and off.

Maximum "on" voltage : 1.20 V  
Minimum "off" voltage : 2.50 V  
Control current : 1.6 mA (5 V control voltage)  
Absolute max. control voltage : 15 V

### **OUTPUT CHARACTERISTICS**

Output is isolated from input for maximum  
flexibility of application. Shorted output  
supplies the rated current. Open circuit or  
excessive load will cause the unit to  
shut down, but special circuit will attempt  
to automatically restart power up to three  
times to avoid nuisance trips.

Voltage : 5KV AC max. (actual voltage  
depends on load and will be  
equal to or lower than this value.)

Current : 20 mA

### **OUTPUT CONNECTIONS**

GTO-5 leads, 12 inches long.

### **DIMENSIONS**

3.62 x 1.40 x 0.70 (max) inches

### **MOUNTING**

Unit is mounted with two 8-32 x 3/4 inch  
nylon screws and nuts (provided).

### **FOOTAGE CHART**

	8 mm	9 mm	10mm	12mm	15mm
Neon	6 ft	9 ft	11 ft	14 ft	17 ft
Argon	8 ft	12 ft	14 ft	17 ft	17 ft

Maximum footage is shown, no minimum  
limit exists. Footage includes one pair  
of electrodes. Deduct one foot only for  
each additional pair.

This unit complies with requirements in  
UL 2161 standard, including secondary  
ground fault protection requirements.  
It is suitable for indoor or outdoor use.

### **CAUTION**

This device produces high voltage at  
high frequency and can create potential  
danger if not applied and installed properly.  
This device is provided with an automatic  
reset function - disconnect power before  
servicing.

### **HOW TO ORDER**

Model	supplied with	UL std
Gen3-5K20	input leads	2161
Gen3-5K20/7B	black power cord	2161
Gen3-5K20/7W	white power cord	2161
Gen3-5K20/C	control input	2161