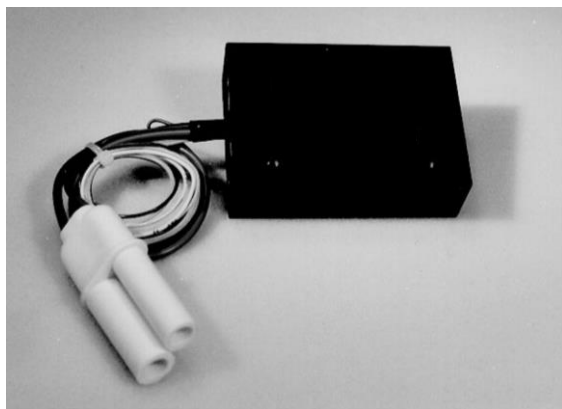


# HELIUM NEON LASER POWER SUPPLY MODULE

## MODEL: DG Series



The DG series of dual AC input models are compact, high reliability switching power supplies, delivering ultra-low output ripple, input filtering, and a CDRH time delay.

Designed to provide outstanding conversion efficiency, the units are fully encapsulated in a specifically formulated epoxy for maximum heat dissipation and electrical insulation.

Benchtop & Laboratory models configured for end-user applications are also available.

SPECIFICATIONS	DG-12-00	DG-15-00	DG-22-00	DG-28-00
Input Voltage (VAC $\pm$ 10% 50/ 60 Hz)			100 to 120 VAC or 220 to 240 VAC	
Input Current (A, max sustaining)	.23 or .12	.23 or .12	.32 or .16	.40 or .20
Output Voltage (VDC)	800 to 1500	1300 to 1900	1900 to 2600	2400 to 3200
Start Voltage (kVDC)	> 7	> 8	> 10	> 10
Current Set Range (mA)	3.0 to 6.0	3.0 to 6.5	4.0 to 7.0	5.0 to 7.0
<b>SPECIFICATIONS (Common to all models)</b>				
Conversion Efficiency (%)				> 85
Current Ripple (% Peak to Peak)				< 2
Current Ripple (% RMS)				< 0.71
CDRH Power-on Delay (Seconds)		Cut violet loop to Eliminate		3 to 7
TTL Enable:				None
Input Connector:		Flying Leads		None
Output Connector:		Amphenol Alden D100FY"L"		Present
Output Fault Protection:		Open, Short, Arc		Present
Internal Bleed-down Resistor:				Present
<b>ENVIRONMENTAL SPECIFICATIONS</b>		<b>OPERATING</b>		<b>NON-OPERATING</b>
Temperature ( $^{\circ}$ C)		-20 to + 50		-40 to + 80
Altitude (meters)		0 to 12,000		0 to $\infty$
Relative Humidity (% , non-condensing)		0 to 99%		0 to 99%
<b>MECHANICAL SHOCK &amp; VIBRATION</b>				
Shock (per IEC 68-2-27)		300 m/s <sup>2</sup> for 11 msec, Half Sine, 3 cycles per axis		
Vibration (per IEC 68-2-6)		10-55 Hz, .35mm amplitude, 1 Octave per minute, 6 cycles per axis		

**NRTL COMPLIANCE**

Electrical Safety	IEC 62368-1:2014	CAN/CSA-C22.2 No. 62368-1-14
Certifying Body		Pending
Certificate No.		Pending

**SELF-CERTIFICATIONS**

EMC		EN 61326-1: 2013
REACH		1907/2006 + Annex XIV, XVII
EU POP		EU 2019/1021
RoHS 3		EU 2015/863/EU

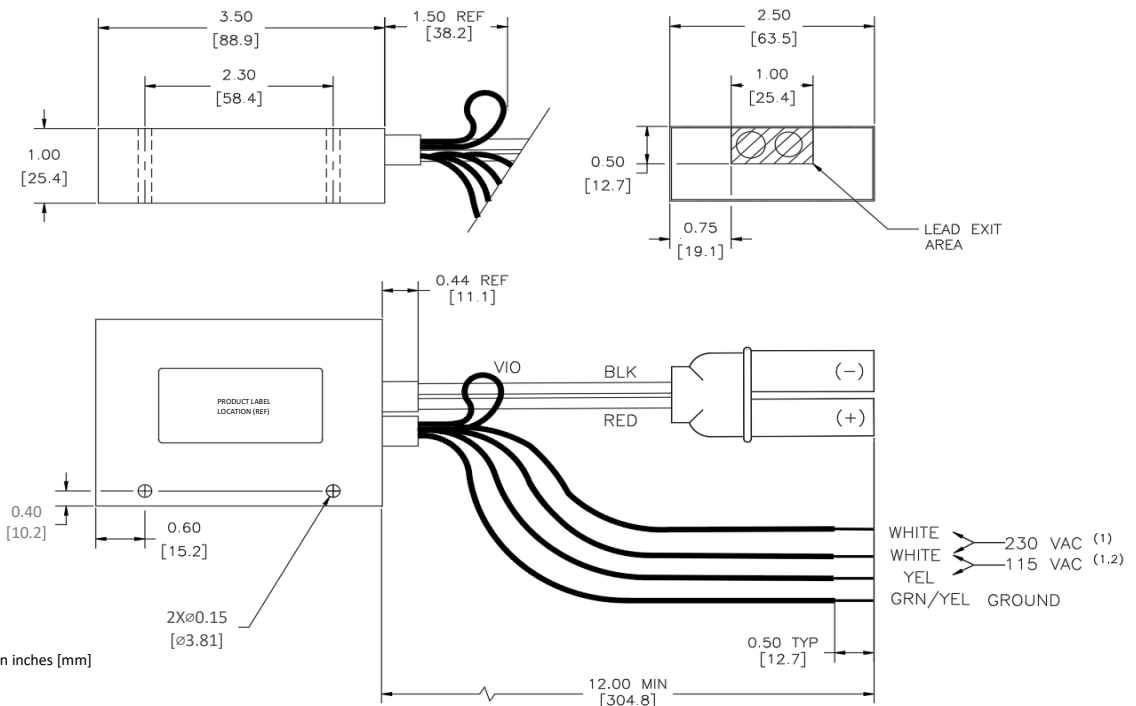
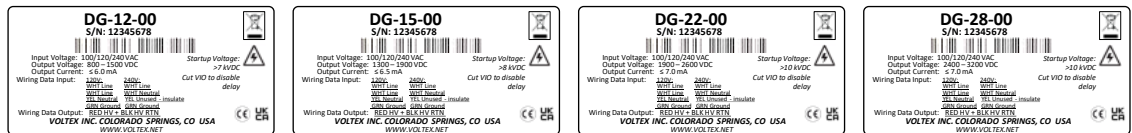
Please request Declaration of Conformity for further compliance information.

**EXPORT INFORMATION**

ECCN		EAR99
HTTS		8504.40.9510
Country of Origin		United States

THESE PRODUCTS ARE SOLD IN ACCORDANCE WITH UNITED STATES EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAWS IS PROHIBITED.

Product Labels



Information contained herein is for reference only and subject to change without notice.  
Removal of Product Label voids warranty and invalidates all regulatory compliance certifications.

- (1) Unused conductors must be insulated.
- (2) For 115 VAC operation, white wires may be connected together.