



SL POWER ELECTRONICS CORP.  
6050 King Drive, Bldg. A  
Ventura, CA 93003 + 805-486-4565  
Internet: www.slpower.com



## GECA20 SERIES INSTALLATION INSTRUCTIONS

**MODEL NUMBERS:** GECA20-XG, where X represents the output voltage which may be any number from 5 thru 24 and the suffix G indicates compliance to RoHS.

**RATINGS:**

**GECA20-XG**

Input: 100-240 V ~, 0.5 A, 50/60 Hz  
Output: 4.0 A or 20 W maximum or see table for standard output voltage models.

MODEL	OUTPUT
GECA20-5G	5 V dc 4.0 A
GECA20-12G	12 V dc 1.67 A
GECA20-15G	15 V dc 1.34 A
GECA20-24G	24 V dc 0.84 A

**Notes:**

- Maximum Operating Ambient Temperature 45 °C, convection cooled.
- Maximum Operating Relative Humidity 95 %, no condensation.
- Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.



**SAFETY DECLARATION:** SL Power Electronics Corp. (SLPE) declares under our sole responsibility that all models listed above are in conformity with the applicable requirements of EN 60950-1 following the provisions of the Low Voltage Directive 2006/95/EC. All models are Certified to be in compliance with the applicable requirements of UL 60950-1, CSA 60950-1-03 (L3M1), and IEC 60950-1 for Pollution Degree 2 environment and Class I TN-S power systems. The output(s) of these supplies meet the requirements for SELV and are not an energy hazard.

**GROUNDING:** Protection Class I requires that the ground trace(s) on the PWB be bonded to Protective Earth in the end application.

**ISOLATION:** The creepage distance between primary and ground is 2.5 mm minimum; between primary and secondary circuits is 5.0 mm minimum. Secondary to ground creepage is not defined or controlled. The required creepage and clearance distances from primary circuits to ground and secondary circuits must be maintained after installation to preserve the intended safety.

**TEMPERATURES:** The maximum operating temperatures of certain safety components, as defined in the applicable safety standards, must not be exceeded after installation to preserve the intended safety. The output power, ambient air temperature and the availability, amount, direction and/or restriction of airflow influence the temperatures of these components.

**OVERCURRENT PROTECTION:** There is only one internal fuse, located in the AC Line side, rated T 2 A/250 V.

**WARNING! RISK OF FIRE!** A blown internal fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by SLPE authorized personnel.

**WARNING! SHOCK HAZARD!** Dangerous voltages are present on some components, heatsinks and printed wiring traces.

**CONNECTIONS**

CON1 Pin	AC Input
1	Line
3	Neutral

CON2 Pin	DC Output
1	Output (+)
2	Output (+)
3	Common
4	Common

**MOUNTING & MATING INFORMATION**

Refer to SLPE Web site: [www.slpower.com](http://www.slpower.com)

EXPLANATION OF SYMBOLS	
	Alternating Current
	Direct Current
	Attention, Consult Accompanying Documents
	Attention, Dangerous Voltages
	Earth (Ground)

**CAUTION:** Do not exceed 5 A per contact.

SLPE will not be liable for the safety, reliability or performance of these power supplies if a) any changes, modifications or repairs are carried out by other than authorized agents of SLPE, or b) the installation of the supply is not in accordance with these installation instructions and the applicable UL, CSA, EN, and IEC safety standards.