



SL Power Electronics, Corp.  
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## INSTALLATION INSTRUCTIONS GLC50 MULTI OUTPUT SERIES

**MODEL NUMBERS:** GLC50X -YYYG, where X represents the output voltage selected from the Table below, -YYY represents Value Added Options not related to Safety and G represents compliance to RoHS. Model may be followed by suffix -C for chassis & cover option.

### RATINGS

Input: 100-240 VAC, 1.4 A, 50/60 Hz

Output:

Model <sup>1</sup>	Watts <sup>2</sup>	Output #1	Output #2	Output #3
GLC50A	50	+5.05VDC 4A	+12VDC 2.5A	-12VDC 0.2A
GLC50B	50	+5.05VDC 4A	+15VDC 2.5A	-15VDC 0.2A
GLC50D	50	+5.05VDC 4A	+24VDC 1.5A	-12VDC 0.2A
GLC50G	50	+3.3VDC 4A	+12VDC 2.5A	-12VDC 0.2A

Notes:

1. Model may be followed by -C for Chassis & Cover option.
2. -C option requires 24 cfm minimum airflow for full rated output power.
3. Maximum operating ambient is 50°C.
4. Maximum Relative Humidity 96%, no condensation.

**CE 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 EN60950 following the provisions of the Low Voltage Directive 2006/95/EC. All models are Certified to be in compliance with the applicable requirements of EN/IEC/UL 60950-1 1<sup>st</sup> Ed., CSA 22.2 No. 60950-1-03 1<sup>st</sup> Ed. for Pollution Degree 2 environment and Class I TN-S power systems. The outputs of the supplies meet the requirements for SELV and are not an energy hazard.

The ground terminal must be bonded to Earth in the end application. Using this terminal for the primary system earthing terminal is not recommended.

**CHASSIS AND COVER INSTALLATION:** The insulator provided with the chassis and cover must be installed on the J1 side of the enclosure. Creepage and clearance distances from primary circuits to ground and secondary circuits, as defined in the applicable safety standards, must be maintained after installation to preserve the intended safety.

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.

### WARNING! RISK OF FIRE!

A blown fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by SLPE authorized personnel. Fuse F1 must be replaced with T 2A 250V (slow blow), UL Listed and CSA Certified type.

### CONNECTIONS

J1 Pin	AC Input
1	Line
3	Neutral

J2 Pin	DC Output
1	Output #2 (+)
2	Output #1 (+)
3	Output #1 (+)
4	Common
5	Common
6	Output #3 (-)

MATING CONNECTORS	
J1	Amp Housing 640250-3 Contact 770522
J2	Amp Housing 640250-6 Contact 770522

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, IEC and/or EN safety standards.