

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

**MODEL NUMBERS:** GLC50-X-YYYG, where X represents the output voltage which may be any number from 3.3 thru 48, -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 V ac, 1.4 A, 50/60 Hz

Output: 8 A or 50 W maximum or see table for standard output voltage models.

Model	Watts <sup>1</sup>	Output	Model	Watts <sup>1</sup>	Output
GLC50-3.3	26.4	+3.3 V dc 8 A	GLC50-24	50	+24 V dc 2.1 A
GLC50-5	40	+5.1 V dc 8 A	GLC50-28	50	+28 V dc 1.8 A
GLC50-12	50	+12 V dc 4.2 A	GLC50-48	50	+48 V dc 1.1 A
GLC50-15	50	+15 V dc 3.3 A			

### Notes:

1. -C option requires 12 cfm minimum airflow for full rated output power.
2. Maximum operating ambient is 50 °C.
3. Maximum Relative Humidity 96 %, no condensation.
4. Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.

**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 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 (L3M1), and EN 60950-1, 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.

**GROUNDING:** 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.

**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.






**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 2 A 250 V (slow blow), UL Listed and CSA Certified type.

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

### CONNECTIONS

J1 Pin	AC Input
1	Line
3	Neutral

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

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

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

### 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, IEC and/or EN safety standards.