



CONDOR DC POWER SUPPLIES INC.  
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# GLC65 SERIES INSTALLATION INSTRUCTIONS

**MODEL NUMBERS:** GLC65-X, where X is 5 or any number from 12 through 48, which represents the output voltage rating. May be followed by suffix -C to indicate optional chassis/cover and/or suffix -XXX where XXX may be any number from 001 thru 999 to indicate value added configurations that have no impact on safety and/or suffix G to indicate compliance to RoHS.

**RATINGS:**

Input: 100-240 V ac, 1.5 A, 50/60 Hz

Output: 11 A or 65 W maximum or see table for standard output voltage models.

Model	Output	Watts
GLC65-5	+5.1 V dc 11 A <sup>2</sup>	56 <sup>2</sup>
GLC65-12	+12 V dc 5.4 A	65
GLC65-15	+15 V dc 4.3 A	65
GLC65-24	+24 V dc 2.7 A	65
GLC65-28	+28 V dc 2.3 A	65
GLC65-48	+48 V dc 1.35 A	65

Notes:

1. Maximum ambient temperature for rated output current is 50 °C.
2. Output rating at 11 A (56 W) requires 50 LFM airflow or derate to 9 A (46 W) maximum with convection cooling.
3. Maximum Operating 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:** Condor DC Power Supplies, Inc. 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 73/23/EEC. All models are Certified to be in compliance with the applicable requirements of UL 60950-1, CAN/CSA-C22.2 No. 60950-1, EN 60950-1, and IEC 60950-1. They are certified for Pollution Degree 2 environment and Class I TN-S power systems. All DC outputs are SELV under normal and single fault conditions.

**GROUNDING:** The ground connection (quick connect tab) must be bonded to protective earth in the host equipment. Using this terminal for the system ground is not recommended. A separate dedicated grounding point should be used.

**SPACINGS:** 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.

**WARNING! RISK OF FIRE!** A blown internal fuse is an indication of catastrophic failure of circuit component(s). Refer to fuse marking on the supply for rating. Repair must be performed by Condor authorized personnel.

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

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

## CONNECTIONS

J1 Pin	AC Input
1	Line
3	Neutral

J3 Pin	
1	+ Sense
2	- Sense

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

## MATING CONNECTORS

J1	Amp Housing 640250-3 Contact 770476-1
J2	Amp Housing 640250-6 Contact 770476-1
J3	Amp MTA-100 Receptacle

**CAUTION:** Do not exceed 5 A per pin on J2.

Condor DC Power Supplies Inc. 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 Condor DC Power Supplies Inc., or b) the installation of the supply is not in accordance with these installation instructions and the applicable UL, CSA, and EN/IEC safety standard