



SL Power Electronics, Corp.  
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## INSTALLATION INSTRUCTIONS G2M65 SERIES

**MODEL NUMBERS:** G2M65-X, where X is any number from 12 through 48, which represents the output voltage rating. May be followed by 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: 5.4 A or 65 W maximum or see table for standard output voltage models.

Model	Output	Watts
G2M65-12	+12 V dc 5.4 A	65
G2M65-15	+15 V dc 4.3 A	65
G2M65-24	+24 V dc 2.7 A	65
G2M65-28	+28 V dc 2.3 A	65
G2M65-48	+48 V dc 1.35 A	65

Notes:

1. Maximum ambient temperature for rated output current is 50 °C.
2. Maximum Operating Relative Humidity 96 %, no condensation.
3. Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.

**CERTIFICATION:** All models are Certified to be in compliance with the applicable requirements of UL 60601-1, CSA 22.2 No. 601.1, EN 60601-1, and IEC 60601-1.

**CLASSIFICATION:** (5.1) Protection against electric shock = Class II  
 (In accordance with sub-clause 5 of IEC 60601-1) (5.2) Degree of protection against electric shock = Signal output or intermediate  
 (5.3) Protection against harmful ingress of water = Ordinary (no protection)  
 (5.5) Have not been evaluated for use in the presence of a flammable anaesthetic mixture with air, oxygen, or nitrous oxide. This evaluation is to be made on the end equipment by the OEM.  
 (5.6) Mode of operation = Continuous

**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.

**OUTPUT:** The output must not be connected to Earth ground or to metallic enclosure in the end application. The output is not acceptable for direct patient connection without additional isolation. The DC output is SELV under normal and single fault conditions.

**OVERVOLTAGE PROTECTION:** The output is monitored for an overvoltage condition. In some applications where an overvoltage condition could result in a hazard as defined in applicable safety standards, redundant or additional overvoltage protection may be required. Consult factory for details.





**ISOLATION:** The creepage distance between primary and secondary circuits is 8 mm minimum. The required creepage and clearance distances from primary circuits to 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:** The internal fuse for circuit protection is located in the phase lead only. If a fuse is added to the neutral side or external dual fuses are provided, the fuse ratings must not exceed that specified for the internal fuse, must meet the requirements of EN 60601-1, and be acceptable for the country in which the host equipment is to be installed.

**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

## 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.

SL Power Electronics, Corp. 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 SL Power Electronics Corp., or b) the installation of the supply is not in accordance with these installation instructions and the applicable UL, CSA, and EN/IEC safety standards.