

G2T60 SERIES INSTALLATION INSTRUCTIONS

MODEL NUMBERS: G2T60-X-YYYG, where X = 12, 15, 18, 24 or 48 which represents the output voltage rating –YYY is value added options not related to Safety and G represents RoHS Compliance.

RATINGS:

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

Output:

MODEL	40 °C Ambient Convection Cooled	50 °C Ambient Convection Cooled	50 °C Ambient 100 LFM Airflow
G2T60-12	12 V dc 4.2 A	12 V dc 3.35 A	12 V dc 5.0 A
G2T60-15	15 V dc 4.0 A	15 V dc 3.7 A	15 V dc 4.35 A
G2T60-18	18 V dc 3.35 A	18 V dc 3.1 A	18 V dc 3.6 A
G2T60-24	24 V dc 2.1 A	24 V dc 1.9 A	24 V dc 2.7 A
G2T60-48	48 V dc 1.35 A	48 V dc 1.25 A	48 V dc 1.35 A

Notes:

1. Maximum Operating Relative Humidity 96 %, no condensation.
2. 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 EN/IEC/UL 60601-1 and CSA 22.2 No. 601.1. In addition, all models (except G2T60-18) are Certified to be in compliance with EN/IEC/UL/CSA 60950-1.

- 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: 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.

OUTPUT: The output must not be connected to Earth ground or to metallic enclosure in the end application. The output has not been evaluated for direct patient connection (consult factory for details). 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: Fuses for both Line and Neutral are provided in the power supply. NOTE: For use in permanently installed equipment, remove Fuse F2 and replace with a jumper wire.

WARNING! RISK OF FIRE! A blown internal fuse is an indication of catastrophic failure of circuit component(s). Refer to fuse marking on the power supply for rating. Repair must be performed by SLPE 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
	Class II Equipment

CONNECTIONS

J1 Pin	AC Input
1	Line
3	Neutral

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

MATING CONNECTORS

J1	Amp Housing 640250-3 Contact 770476-1
J2	Amp Housing 640250-4 Contact 770476-1

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.