



POWER ELECTRONICS
 SL POWER ELECTRONICS CORP.
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GSC20 SERIES INSTALLATION INSTRUCTIONS

MODEL NUMBERS: GSC20-X, where X represents the output voltage, which may be any number from 5 through 28. Models may or may not be followed by suffix -XXX and/or G, where XXX may be any number from 001 thru 999. The -XXX suffix are used for value added configurations that have no impact on safety and suffix G indicates compliance to RoHS.

RATINGS:

Input: 100-240 V ac, 0.6 A, 50/60 Hz

Outputs: 4 A or 20 W Maximum Continuous Power or see table below for standard output models.

Model	Output
GSC20-3.3	3.3 V dc 4.0 A
GSC20-5	5.1 V dc 4.0 A
GSC20-12	12 V dc 1.7 A
GSC20-15	15 V dc 1.4 A
GSC20-24	24 V dc 0.85 A
GSC20-28	28 V dc 0.7 A

Notes:

1. Maximum operating ambient temperature is 50 °C.
2. Maximum 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.



SAFETY DECLARATION: SL Power Electronics Corp. 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, CSA 22.2 No. 60950, 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.

CAUTION: The ground connection must be bonded to Protective Earth in the end application in order to meet the required creepage distances from primary to secondary. Do not use this connection for the primary system earthing terminal.

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 SL Power Electronics Corp. authorized personnel.

CONNECTIONS

J1 Pin	AC Input	J2 Pin	DC Output
4	Neutral	1	Output (+)
1	Line	2	Output (+)
		3	Common
		4	Common

MATING CONNECTORS	
J1,J2	Molex Housing 50-37-5043 Contact 08-70-1040

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

CAUTION: Do not exceed 2.5 A per pin on J2.

SL Power Electronics Corp. 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, EN/IEC safety standards.