

NEW!

GLC65 GLOBAL LOW-COST SWITCHERS



SPECIFICATIONS:

AC Input

90-264Vac, 47-63Hz single phase.

Input Current

Meets input current harmonic requirements of IEC1000-3-2. Maximum input current at minimum output voltage and output overload will be less than 1.7A.

Output Power

Normal continuous output power is 65W, 75W peak for 60 sec. The 3.3Vdc unit is 36.3W and the 5Vdc unit is 55W continuous.

Hold-Up Time

20mSec from loss of AC input at 65W load, from 120Vac input.

Overload Protection

Fully protected against short circuit and output overload. Short circuit protection is cycling type power limit on outputs 1 & 2; foldback type on output 3.

Output Noise

0.5%RMS, 1% pk-pk, 20MHz bandwidth, differential mode. Measured with scope probe directly across output terminals of the power supply with load terminated with 0.1 μ F capacitor.

Transient Response

Main output: 500 μ Sec typical response time for return to within 0.5% of final value for a 50% load step within the regulation limits of minimum and maximum load, $\Delta i/\Delta t < 0.2A/\mu$ Sec. Maximum voltage deviation is 3.5%. Startup/shutdown overshoot less than 3%.

Voltage Adjustment

Adjustable potentiometer capable of $\pm 5\%$ change from nominal setting.

Overload Protection

Factory set to begin power limiting at approximately 80W.

Efficiency

88 to 94% minimum at full rated load, nominal input voltage, depending on model.

Leakage Current

Under normal conditions, leakage current is 425 μ A with 132Vac @ 60Hz input.

Environmental

Designed for 0 to 50°C operation at full rated output power; derate output current and total output power by 2.5% per °C above 50°C. See Environmental and Packaging Specifications (p. 11) for additional information.

Inrush Current

Inrush is limited by internal thermistor. The inrush at 240Vac, averaged over the first AC half-cycle under cold start conditions will not exceed 37A.

FEATURES:

- Patent Pending
- 4.1W/in³
- Compact (3.0" x 5.0" x 1.06")
- Ultra-high efficiency (up to 94%)
- Meets harmonic requirements of IEC1000-3-2, Class A
- EMI compliance to CISPR22 Class B
- Approved to UL2601, EN60601, CSA22.2 No. 601.1
- 2-year warranty
-  marked to LVD

EMI/EMC Compliance

All models include built-in EMI filtering to meet the following emissions requirements:

EMI SPECIFICATIONS

Conducted Emissions

Static Discharge

RF Field Susceptibility

Fast Transients/Bursts

Surge Susceptibility

COMPLIANCE LEVEL

EN55022 Class B; FCC Class B

EN61000-4-2, 6 kV contact, 8 kV air

EN61000-4-3, 3 V/meter

EN61000-4-4, 2 kV, 5 kHz

EN61000-4-5, 1 kV diff., 2 kV com.

Safety

All GLC models are approved to UL1950, CSA22.2 No. 234 Level 3, IEC950 and EN60950. Consult factory for approval status.

Model	Output	Current	Total Regulation	V1 Adjustment	V1 OVP Setpoint	Ripple and Noise
GLC65-3.3	3.3V	11A	2%	± 5%	4.2 ± 0.6V	1%
GLC65-5	5.1V	11A	2%	± 5%	6.2 ± 0.6V	1%
GLC65-12	12V	5.5A	2%	± 5%	14 ± 1.1V	1%
GLC65-15	15V	4.3A	2%	± 5%	18.5 ± 1.5V	1%
GLC65-24	24V	2.7A	2%	± 5%	28 ± 2.5V	1%
GLC65-28	28V	2.3A	2%	± 5%	34 ± 2.8V	1%
GLC65-48	48V	1.35A	2%	± 5%	55 ± 4.0V	1%

GLC65 MECHANICAL SPECIFICATIONS:

INPUT J1:
AMP P/N 640445-3, .156 [3.96mm] CTR,
0.045 [1.14mm] SQUARE PIN HEADER

PIN 3) AC NEUTRAL
PIN 2) NO PIN
PIN 1) AC LINE

OUTPUT J2:
AMP P/N 640445-6, .156 [3.96mm] CTR,
0.045 [1.14mm] SQUARE PIN HEADER

MULTIPLE OUTPUT	SINGLE OUTPUT
PIN 1) OUTPUT #2	PIN 1-3) OUTPUT
PIN 2) OUTPUT #1	PIN 4-6) COMMON
PIN 3) OUTPUT #1	
PIN 4) COMMON	
PIN 5) COMMON	
PIN 6) OUTPUT #3	

SENSE J3: (SINGLE OUTPUT MODELS ONLY)
AMP P/N 640459-2, .100 [2.54mm] CTR,
0.025 [0.64mm] SQUARE PIN HEADER

PIN 1) +SENSE
PIN 2) -SENSE

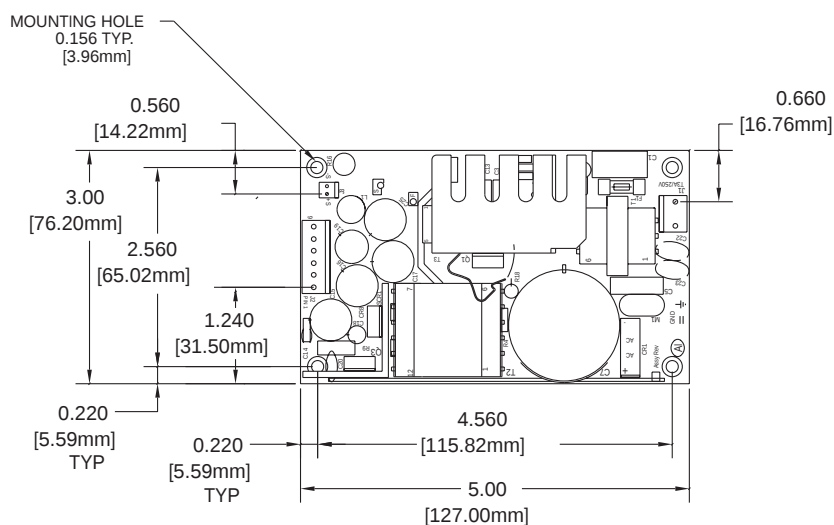
MATING CONNECTORS: AMP P/N

	HOUSING
INPUT	644329-3
OUTPUT	644329-6

NOTE: 5A MAXIMUM RECOMMENDED CURRENT
PER CONNECTOR PIN

WEIGHT: 5 OZ.
[0.142 KG]

TOLERANCES:
X.XX = ± 0.030 (0.76MM)
X.XXX = ± 0.010 (0.25MM)



MAX. COMPONENT HEIGHT 1.00" [25.4mm]

MAX. LEAD PROTRUSION 0.10" [2.54mm]