



KGF-320 Series

320 Watt, Universal Input Fully Enclosed Switching Power Supply



FEATURES

- ▶ **320 WATT OUTPUT POWER**
- ▶ **UNIVERSAL INPUT**
- ▶ **HIGH EFFICIENCY**
- ▶ **OVERCURRENT PROTECTION**
- ▶ **OVERVOLTAGE PROTECTION**
- ▶ **WIDE TEMPERATURE RANGE**

SAFETIES/APPROVALS

UL, cUL, CE, CB

ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load

INPUT SPECIFICATIONS

Input Voltage.....	85 ~ 264VAC
Input Frequency.....	47 ~ 63Hz
Input Current.....	4.0A (max)
Inrush Current.....	115VAC < 23A 230VAC < 45A

OUTPUT SPECIFICATIONS

Output Voltage	See Chart
Voltage Adjustment	±10%
Minimum Load.....	None
Efficiency	79 ~ 88%
Over-Voltage Protection	110 ~ 150% Manual Reset
Over-Current Protection.....	105 ~ 135% Auto Recovery
Ripple and Noise.....	See chart
Hold-Up Time.....	14 ~ 16 mS
Line Regulation	±0.5% max
Load Regulation.....	±1.0% max
Leakage Current (100/230VAC).....	0.75mA

GENERAL SPECIFICATIONS

Isolation Voltage	
Primary to Secondary.....	3000VAC
Primary to Case.....	1500VAC
Secondary to Case.....	500VAC
Isolation Resistance.....	100 M-Ohms

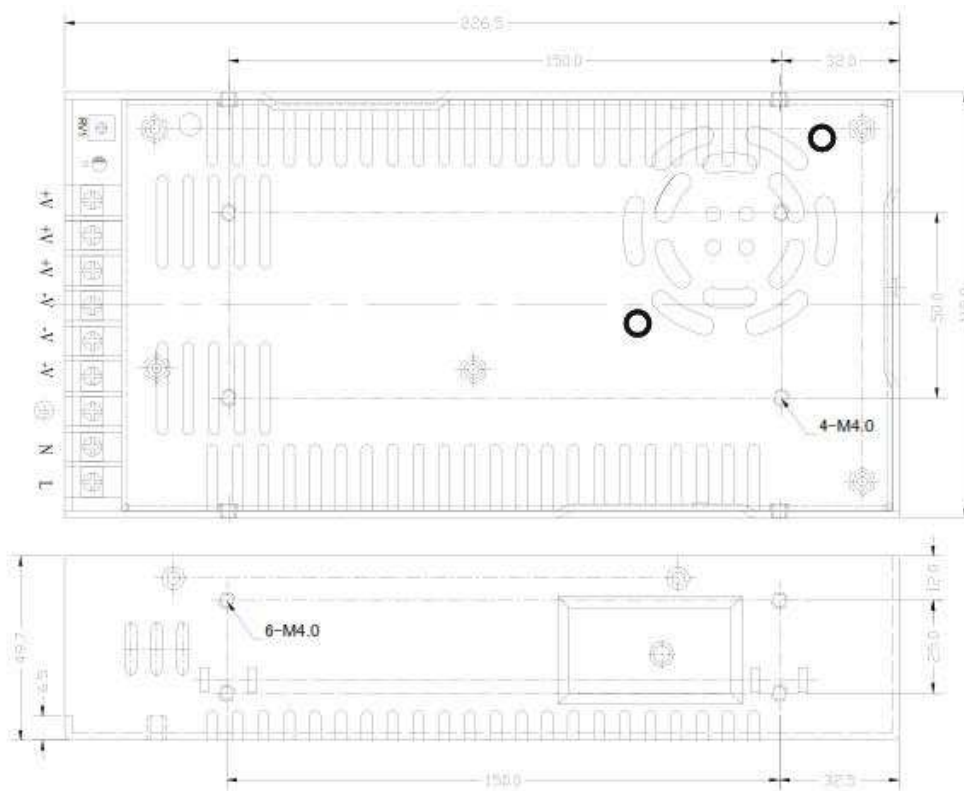
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20 °C ~ +65 °C
Humidity.....	20 ~ 85%Rh
Cooling.....	Convection
Temperature Coefficient	0.05% / °C
Storage Temperature.....	-40 °C ~ +85 °C
Storage Humidity.....	10 ~ 95%Rh

PHYSICAL SPECIFICATIONS

Metal Enclosed - Terminal Block
226.5mm x 115.0mm x 49.7mm (L x W x H)

MODEL	Output Voltage	Output Current (85 ~ 264 VAC)	Efficiency (%)	Ripple and Noise
KGF-320-5	5 VDC	60A	79%	150mV max
KGF-320-7.5	7.5VDC	40A	83%	150 mV max
KGF-320-12	12 VDC	25A	86%	150mV max
KGF-320-24	24 VDC	13A	87%	150mV max
KGF-320-32	32 VDC	10A	87%	200mV max
KGF-320-36	36 VDC	8.8A	87%	200mv max
KGF-320-48	48 VDC	6.7A	88%	240mv max



Note:

- Screw thread size is M4 (Metric)
- Measurements in millimeter (mm) unless otherwise specified

NOTE:

All specifications typical and nominal / full load and 25°C unless otherwise noted.
 Avoid sustained operation in overload or dead short conditions.
 Specifications subject to changes without notice.