

GK50 series

■ Features

- Universal AC input/Full range
- Class I power
- Protections : Short Circuit/Over Load
- cooling by free air convection
- 100% full load burn-in test
- Approvals :
- 2 year warranty

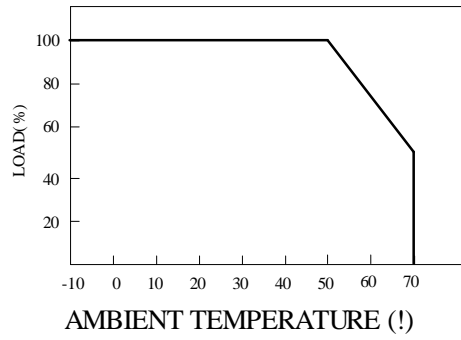


SPECIFICATION

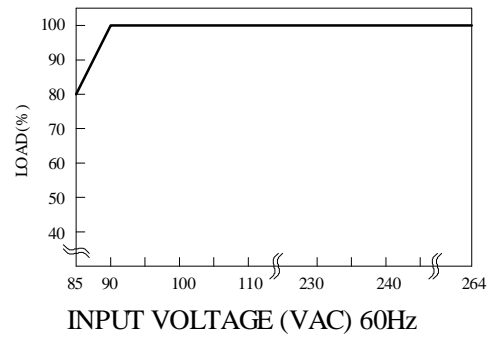
Model	GK50-05	GK50-12	GK50-15	GK50-24	GK50-36	GK50-48	
Output	DC Voltage	5V	12V	15V	24V	36 V	48V
	Rated Current	10.00A	4.17A	3.33A	2.08A	1.39A	1.04A
	Current Range	0-10.00A	0-4.17A	0-3.33A	0-2.08A	0-1.39A	0-1.04A
	Rated Power	50W	50W	50W	50W	50W	50W
	Ripple & Noise	75mVp-p	120mVp-p	150mVp-p	240mVp-p	300mVp-p	300mVp-p
	Voltage ADJ. Range	4.75-5.50V	10.60-13.20V	13.50-16.50V	21.60-26.40V	32.40-39.60V	43.20-52.80V
	Voltage Tolerance	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	Set up , rise time	900ms, 60ms/230Vac at full load					
	Hold Time	20ms/230Vac at full load					
Input	Voltage Range	85~264Vac 120~370Vdc					
	Frequency Range	47~63Hz					
	Efficiency	75% 230Vac	81% 230Vac	82% 230Vac	83% 230Vac	84% 230Vac	85% 230Vac
	AC current	1.2A/115Vac 0.6A/230Vac					
	Inrush Current	Cold start 30A/115Vac 60A/230Vac					
	Leakage Current	<0.75mA 240Vac					
Protection	Over Load	110% -150% rated output power					
		Hiccup mode, recovers automatically after fault condition is removed .					
Environment	Working temp.	-10~ +60°C( refer to output derating curve )					
	Working Humidity	20~90%RH non-condensing					
	StorageTemp., umidity	-20~+85°C , 10~95% RH					
	Temp. Coefficient	±0.03%/°C (0~50°C)					
	Vibration	10~500Hz, 2G 10min./1cycle , period for 60min , each along X, Y, Z axes					
Safety & EMC	Safety Standard	UL1012, ,UL60950-1 approved .					
	Withstand Voltage	I/P-O/P:3KVac , I/P-FG:1.5KVac, O/P-FG:0.5KVac					
	Isolation Resistance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500Vdc					
	EMIconduction& adiation	Compliance to EN55022 Class B					
	Harmonic Current	Compliance to EN61000-3-2,-3					
	EMS Immunity	Compliance to EN61000-4-2,3,4,5 ,EN55024					
Others	MTBF	20,000hours min at 25°C					
	Dimension	119mm*98mm*40mm					
	Weight	0.39KGS/PC					

■ Derating Curve

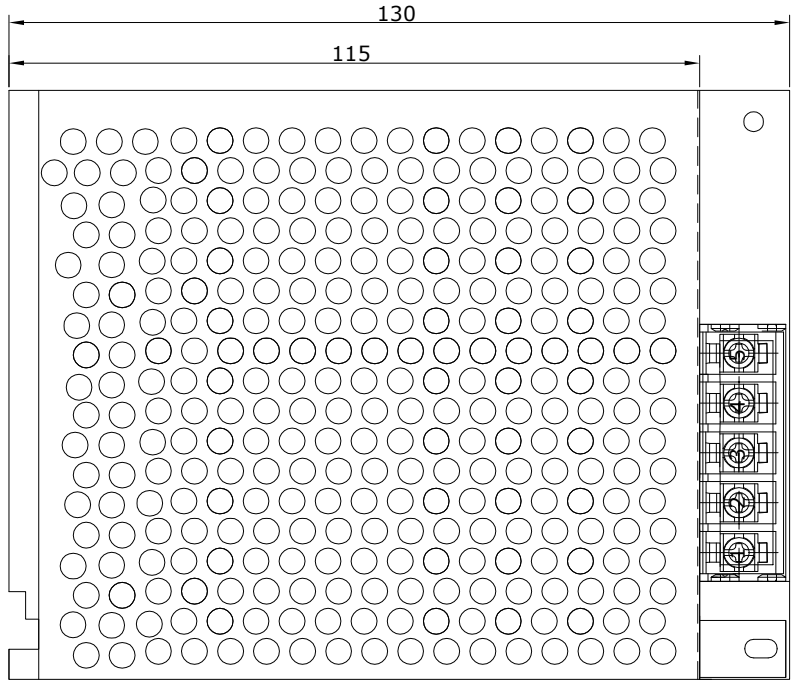
Derating Curve



Output Derating VS Input Voltage



■ Mechanical Specification



Pin	J1 Pin Connections
1	Fuction
2	AC Live
3	AC Neutral
4	Ground
5	-Vout
	+Vout

