AC-DC Switching Power Supply GK220S -60W Series

Features

- Wide voltage input: 90-264VAC/127-370VDC
- Metal mesh shell packaging, good heat dissipation
- Isolation voltage:3000VAC5mA1Minute
- Operating temperature range:-40°C~+85°C
- Comply with international and domestic safety regulations
- International standard pin
- Heat dissipation mode: natural air cooling
- High efficiency, long life and high reliability
- Protection function: short circuit, over load, over voltage and over temperature

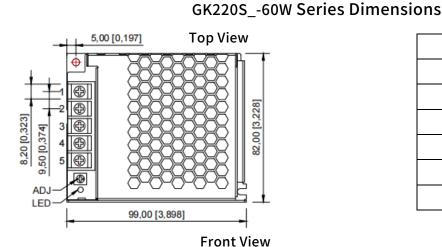
Product Picture

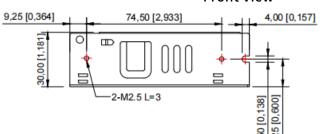
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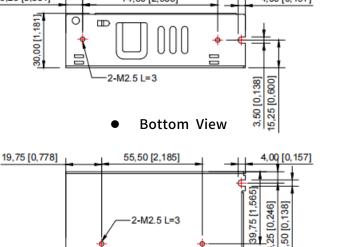


EMC-EN55032 EN55035 LVD-EN62368

Dimensions







M3 L=5

0 0

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Pin mode Pin Function 1 AC(L) 2 AC(N) 3 FG 4 -V 5 +V

Note: Size unit: mm[inch] Wiring diameter: 22-14AWG Connector torque size: M3, 0.4N · m Unmarked tolerance: $\pm 1.00[\pm 0.039]$ The device layout is for reference only.

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AC-DC Switching Power Supply GK220S_-60W Series



Application

Industrial control and remote DC power supply systems, switching systems :AC/DC(5V products). Railway communication, communication interface conversion cellular telephone, semiconductor laser, display screen, Monitoring equipment, petrochemical, portable instrument, medical instrument, automatic control device, burglar alarm, handheld instrument, digital circuit, IC card meter, air conditioning computer controller, LED products, digital products, power adapter, etc.

Selection Guide

Model	Input(V)	Output (Vo±2%)	Current (mA)	Efficiency (%)	Adjustable output voltage Range ADJ (V)	Isolation (VAC)
GK220S05-60W		5	12000	80	4.55-5.5	3000
GK220S12-60W	90-264VAC	12	5000	84	10.8-13.2	3000
GK220S15-60W		15	4000	86	13.5-16.5	3000
GK220S24-60W	(127-370VDC)	24	2500	88	22-27.6	3000
GK220S36-60W		36	1666	88	33-38	3000
GK220S48-60W		48	1250	88	42-54	3000

Note: Our company can customize the module power supply with any input and output for customers. If you have special needs, please call our company. Unless otherwise specified, the input = Vi. The characteristics of the module power supply should comply with the provisions of Table 1 and be applicable to the full temperature range ($-40^{\circ}C \leq Tc \leq 85^{\circ}C$)

Electrical Specifications								
Specifications Symbol		Conditions Vi ,-40°C≤Tc≤85°C (Unless otherwise specified)	Min	Мах	Unit			
Output Voltage	Vo	Full Load	Vo-2%	Vo+2%	v			
Output Current	Iomax	_	_	P(Power)/ U(Output voltage)	А			
Output Ripple Voltage	Vp-р	Full Load,Vi,BW=20MHz,Normal Temperature	100	480	mV			
Output Noise Voltage	Vp-р	Full Load, Vi, BW=20MHz, Normal Temperature	200	960	mV			
Voltage Regulation	Sv	Vimin、Vi、Vimax,Full Load	_	≤±2%	%			
Load Adjustment	Si	Vi, lo=(10%~100%)lomax	—	≤±2%	%			
Insulation Resistance	Rl	Input/Output, Test Voltage: 500VDC	100	_	MΩ			

General Specifications						
	Magnetic Field Sensitivity Test	GB6833.2-87				
	Electrostatic Discharge Sensitivity Test	GB6833.2-87				
EMC Specifications	Radiation Sensitivity Test	GB6833.2-87				
	Conduction Sensitivity Test	GB6833.2-87				
Temperature Drift	≤±0.03%/°C					
Storage Temperature	-40°C~85°C					
Input Frequency	25KHz~130KHz					
Humidity	20%~90%RH					
Leakage Current	<2mA/240VDC					
MTBF	>500000H					



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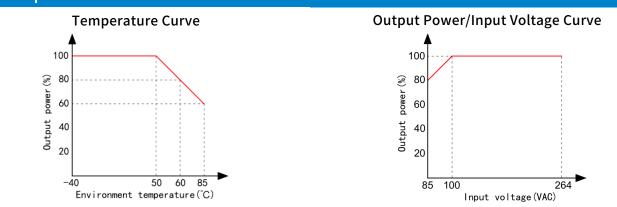


Mechanical Specifications

Size

99.00 x 82.00 x 30.00 mm

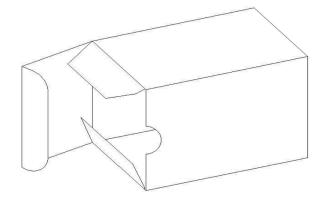
Typical SpecificationsCurves



Precautions

Package

This series of modules are packed in shockproof and anti-static foam.



Transport

The package containing the module is allowed to be transported by any means of transport, which should avoid direct rain and snow and mechanical damage.

Storage

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The module should be stored in a warehouse where the ambient temperature is -40 degrees ~ 125 degrees, the relative humidity is 20%~95%, and the surrounding environment is free from acidic, alkaline and other harmful gases.

Note: The above are the performance indicators of the product series listed in this manual. Some indicators of non-standard products may exceed the above requirements, so if there is any inconsistency between the manual and the product specification documents, please refer to the specification documents. If you have special needs, please contact us directly.

