AC-DC Switching Power Supply

GK220S_-200W Series

HenLv

Features

- Wide voltage input: 90-132VAC /180-264VAC （Select through a switch）
- Metal shell packaging, good heat dissipation
- Isolation voltage:3000VAC 5Ma 1Minute
- Operating temperature range:-40℃～+85℃
- 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

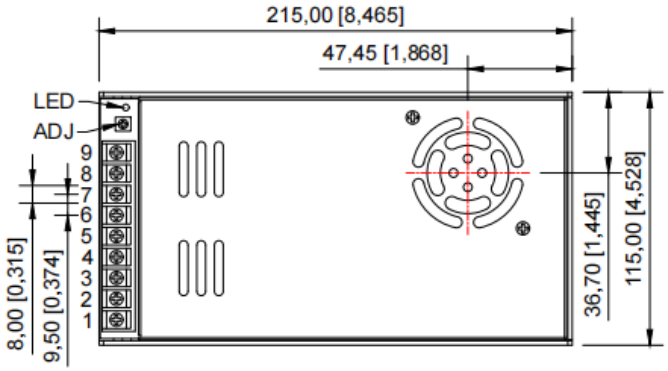


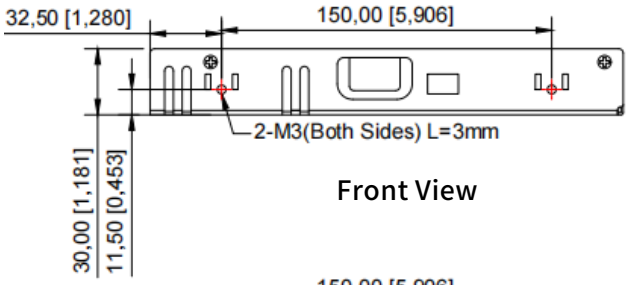
EMC-EN55032
EN55035
LVD-EN62368

Dimensions

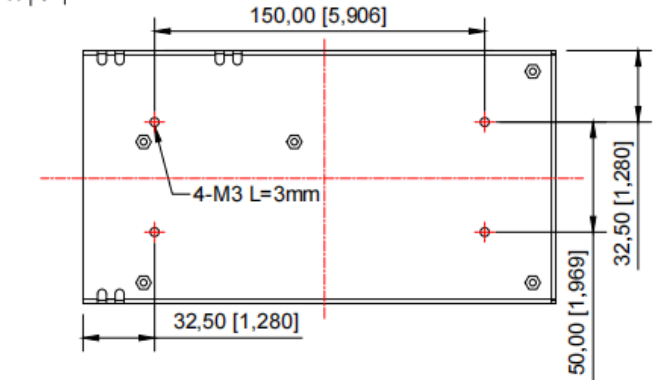
GK220S_-200W Series Dimensions

Top View





Front View



Bottom View

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

Note:
Size unit: mm[inch]
Wiring diameter: 12-22AWG
Connector torque size: M3.5, 0.8N·m
Unmarked tolerance: ±1.00[±0.039]
The device layout is for reference only.

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Application

Industrial control and remote DC power supply systems, switching systems,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)
GK220S05-200W	90-132VAC /180-264VAC	5	40000	87	4.5-5.5	3000
GK220S12-200W		12	16667	87	10.2-13.8	3000
GK220S15-200W		15	13333	88	13.5-18	3000
GK220S24-200W		24	8333	89	21.6-28.8	3000
GK220S36-200W		36	5556	89	32.4-39.6	3000
GK220S48-200W		48	4167	89	43.2-52.8	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℃≤Tc≤85℃)

Electrical Specifications

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

General Specifications

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

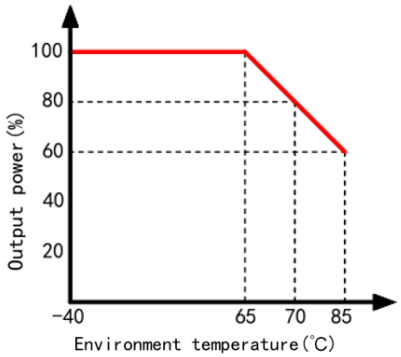
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Mechanical Specifications

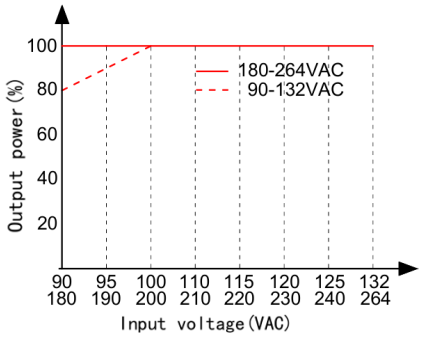
Size	215.00 x 115.00 x 30.00 mm

Typical Specifications Curves

Temperature Curve



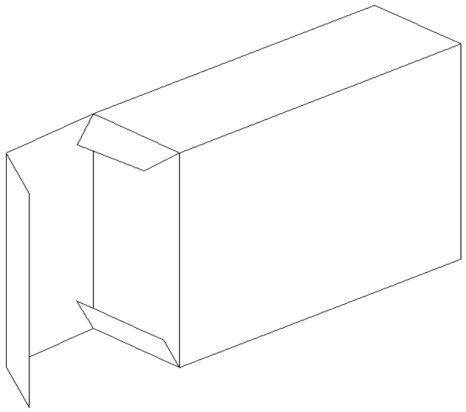
Output Power/Input Voltage Curve



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

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.

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