



➡ GK220S_-350W Switching Power Supply series

Wide voltage input
Isolated stabilized single
output

AC/DC switching power supply



● Product characteristics

- ⊙ Wide voltage input 90VAC~132VAC/180VAC~264VAC
- ⊙ Metal aluminum shell
- ⊙ Operating temperature range: -25°C ~ +60°C
- ⊙ Isolation voltage 3000VDC 5mA 1Minute
- ⊙ International standard pin
- ⊙ Comply with RoHS instructions
- ⊙ Heat dissipation: natural air cooling
- ⊙ With good shielding anti-interference performance and electromagnetic compatibility, lightning protection, output over current, short circuit protection, overheat protection, self-recovery and other functions

● Product overview

GK220S_-350W product is the latest product developed by our company, the volume is 215*115*50mm. This product has 90~132VAC/180~264VAC (switching) input voltage, while with high efficiency and low power consumption characteristics of the product meet the requirements of green environmental protection, metal aluminum shell, with good shielding anti-interference performance and electromagnetic compatibility, short circuit protection, self-recovery and other functions.

● Application field

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.

Note: The company customized any input and output module power supply, if you have special needs, please call our company



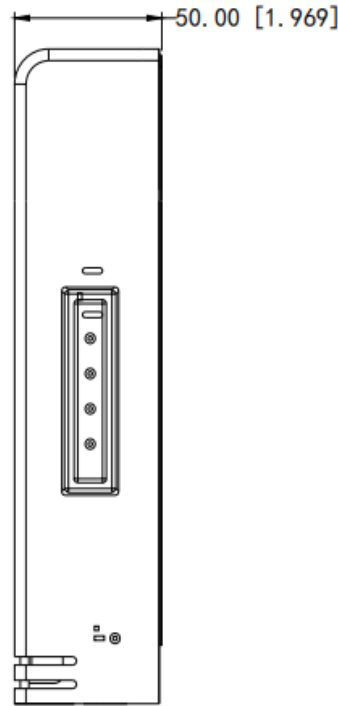
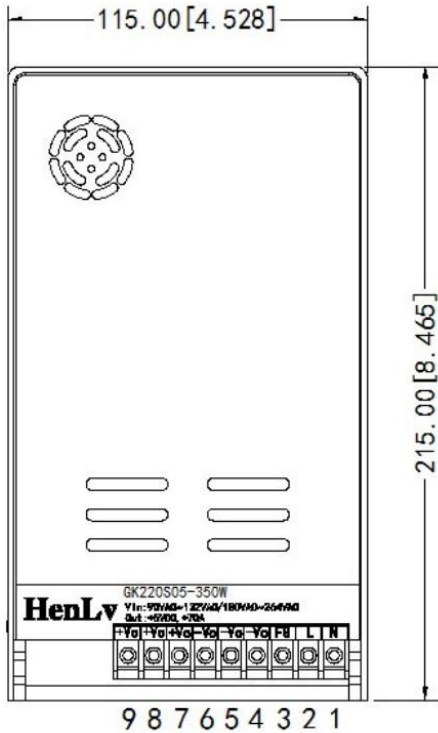
Model	input voltage (V)	output voltage (V)	Full-load output current (A)	efficiency	Isolation Voltage VDC	weight (g) ±05	packaging	Certification
GK220S05-350W	90~132VAC/ 180~264VAC	5VDC±5%	70	≥79%	3000VDC	778.4	Metallic aluminum case	
GK220S12-350W	90~132VAC/ 180~264VAC	2VDC±5%	29.17	≥79%	3000VDC	778.4	Metallic aluminum case	
GK220S15-350W	90~132VAC/ 180~264VAC	15VDC±5%	23.33	≥85%	3000VDC	778.4	Metallic aluminum case	
GK220S24-350W	90~132VAC/ 180~264VAC	24VDC±2%	14.58	≥85%	3000VDC	778.4	Metallic aluminum case	
GK220S36-350W	90~132VAC/ 180~264VAC	36VDC±2%	9.72	≥85%	3000VDC	778.4	Metallic aluminum case	
GK220S48-350W	90~132VAC/ 180~264VAC	48VDC±2%	7.29	≥85%	3000VDC	778.4	Metallic aluminum case	

Note: The company customized any input and output module power supply, if you have special needs, please call our company



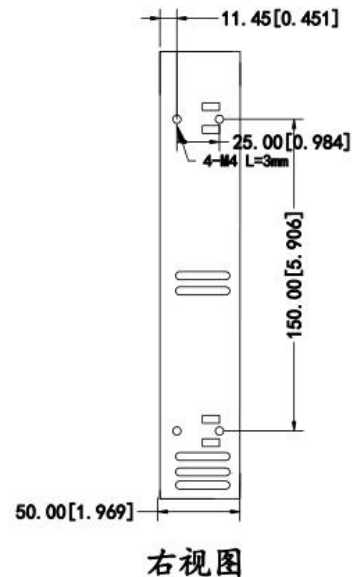
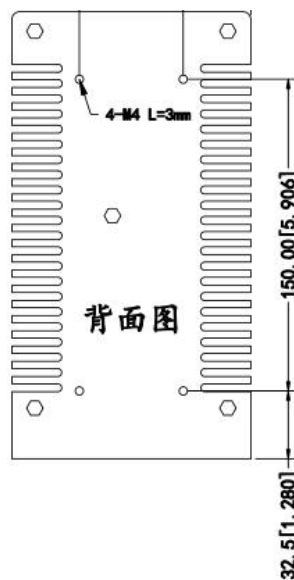
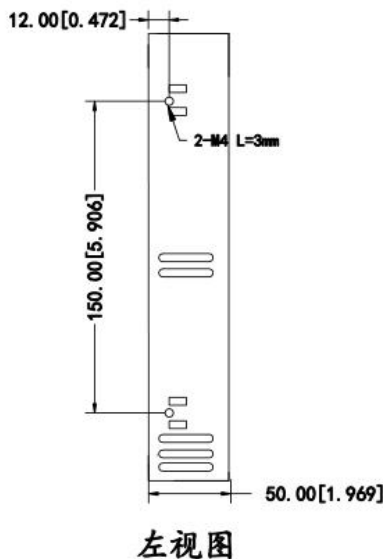
Overall dimensions and pin mode

⊙ Metal aluminum housing package



引脚	功能
1	L
2	N
3	FG
4	-V0
5	-V0
6	-V0
7	+V0
8	+V0
9	+V0

Installation diagram



Unit of size: mm[inch]
Unmarked tolerance: ± 0.25 [± 0.010]

Note: The company customized any input and output module power supply, if you have special needs, please call our company



Electrical characteristic

Electrical Characteristics

specificity	Symbol	Condition except as otherwise herein provided $V_i, -40^{\circ}\text{C} \leq T_c \leq 85^{\circ}\text{C}$	Limit Value		Unit
			Min	Max	
Output Voltage	V_o	Full Load	$V_o - 5\%V_o$	$V_o + 5\%V_o$	V
Max Output Current	$I_{o\max}$	—	—	$\frac{P}{U}$	A
Output Ripple Voltage	V_{p-p}	Full Load, V_i , BW=20MHz, Normal Temperature	$80\text{mV} \pm 10\%$	$200\text{mV} \pm 10\%$	mV
Voltage regulation factor	S_v	$V_{i\min}, V_i, V_{i\max}$, Full Load	—	10.00	%
Load regulation	S_i	$V_i, I_o = (10\% \sim 100\%)I_{o\max}$	—	2.00	%
Efficiency		V_i , Full Load, Normal Temperature	74.00	—	%
Insulation Resistance	RI	Add 500VDC between the input and output points Room temperature, $t \geq 3\text{S}$	50	—	M

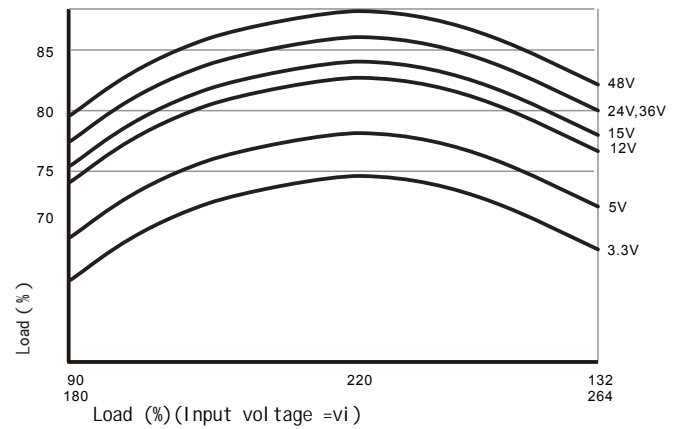
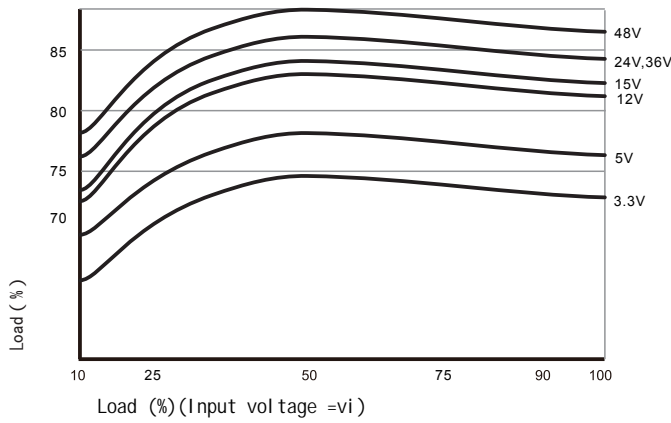
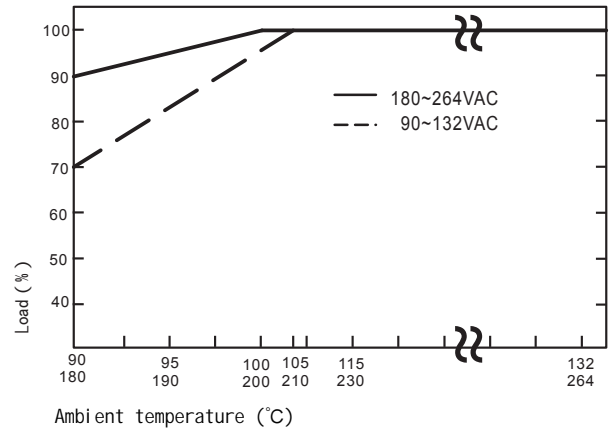
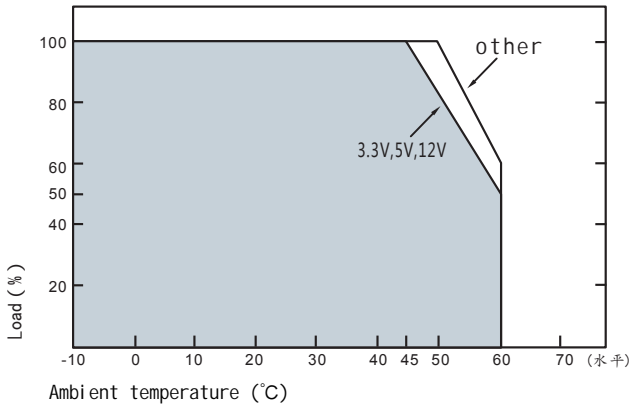
General Characteristic

EMC	Magnetic field sensitivity test Electrostatic discharge sensitivity test Radiation sensitivity test Conduction sensitivity test	GB6833.2-87 GB6833.3-87 GB6833.5-87 GB6833.6-87
Temperature excursion	0.02%/°C	
Frequency	47 Hz ~ 63 Hz (MAX)	
Humidness	90% (max)	
Leak Current	5mA (max)	
MTBF	>50000Hours	



Temperature curve, Efficiency curve

• Typical efficiency curve

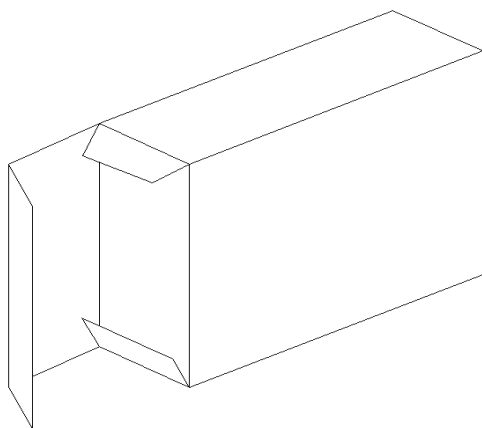




Explanatory note

- Packing

This series of switching power supply is packaged in an independent heat shrinkable paper box.



- Transport

The package equipped with switching power supply is allowed to be transported by any means of transport, which should avoid direct rain or snow and mechanical damage.

- Storage mode

Switching power supply should be stored in the ambient temperature of -40 degrees ~ 125 degrees, relative humidity of 10%~90%, the surrounding environment without acid, alkaline and other harmful gases in the warehouse.

The above are the performance indicators of the product series listed in this manual. Some indicators of non-standard products will exceed the above requirements, so if the manual is inconsistent with the product specification documents, please refer to the specification documents. If you have special needs, please contact us directly.