



MODEL: LS250-S12KD    SIZE: 215\*115\*30mm  
LS250-S24KD

#### Product overview

## 250W

industrial power supply

MODEL LS250-S12KD / LS250-S24KD

INPUT 100~130V AC & 180~250V AC

OUTPUT 12V DC 20.83A / 24VDC 10.42A 250W

#### Product Features

- Adopt AC/DC transmission
- Adapt to harsh working environments
- Adopting an isolated design, safe and reliable-Prevent instantaneous surge impact
- Overload, short circuit, and overvoltage protection functions
- Wide range of input
- Passed CE certification and meets LVD safety requirements

#### ELECTRICAL DATA

#### AC Input

Input voltage range	100~250V	Equipped with a conversion switch
Input frequency	50~60Hz	
Conversion efficiency (typical)	88% 12V / 89% 24V	
Input current	110V: 3.7A max.	
Inrush current	70A	
leakage current	5mA/220VAC	

#### DC Output

output voltage	12V / 24V
output current	0.83A / 10.42A
output power	250W
Ripple and noise	<150mVp-p
Startup time	1500ms/220VAC
Line regulation	±0.5%
Load adjustment rate	±1%

#### working environment

Working temperature	-20~+70°C
Humidity at work	15~85%RH
Storage temperature	-40°C~85°C
Storage humidity	15~95%RH

#### EMC

EN55032 CLASS A

#### Packaging

product size	215*115*30mm
Net weight	610g±5g
Quantity per box	20PCS
Carton Size	38*25.5*26.5cm
G.W	13.6KG

#### protect

##### overload protection

There is overload protection. When the load voltage exceeds the rated load of 115-134% 12V/129-148% 24V, the power supply automatically cuts off the output. The protection mode is turned off.

##### ScP

There is short circuit protection, and the protection mode is hiccup mode. When the short circuit fault is resolved, it automatically resumes work.

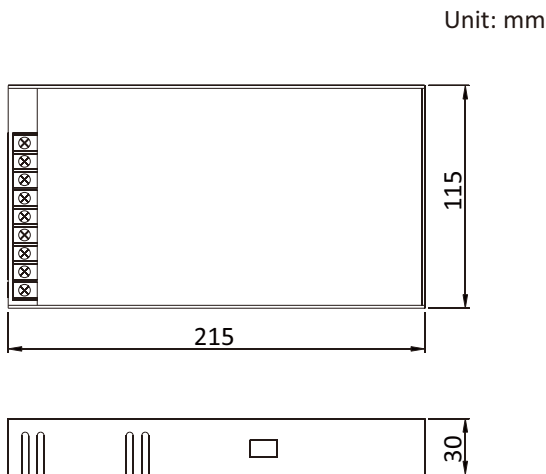
#### Safety Regulations

Safety standards	GB4943/ IEC62368 EN61558
Insulation	I/P-O/P: 3750VAC/1min/<5mA I/P-O/P: >100M Ohms / 500VDC /25°C / 70%RH

#### Warm reminder:

- Load short circuit and overload can cause power protection, resulting in the power supply not working properly.
- The connection line between the power supply and the load should follow the principle of being as short as possible, either over or over
- Thin connecting wires can cause voltage drop on the circuit, while overly thin connecting wires can also easily lead to Potential safety hazards.
- Maintaining good ventilation and heat dissipation is crucial for the lifespan of the power supply.

## product appearance



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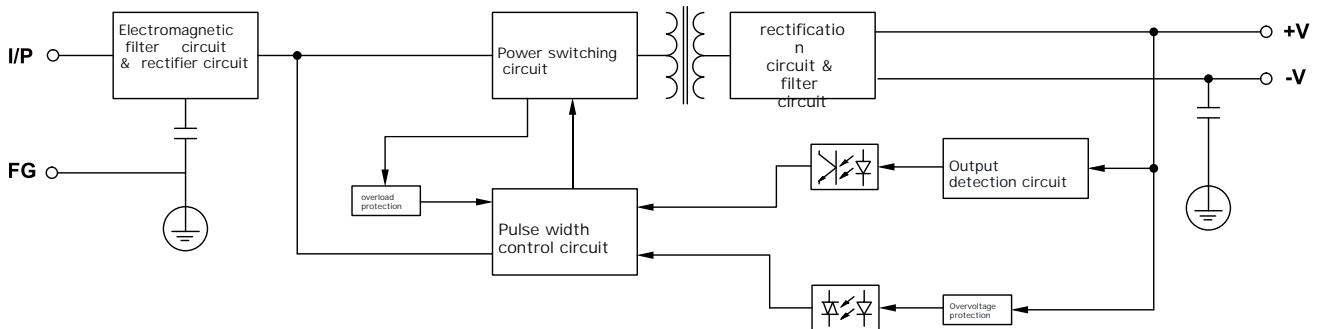
OUTPUT 12V DC 20.83A / 24VDC 10.42A 250W

Terminal input/output

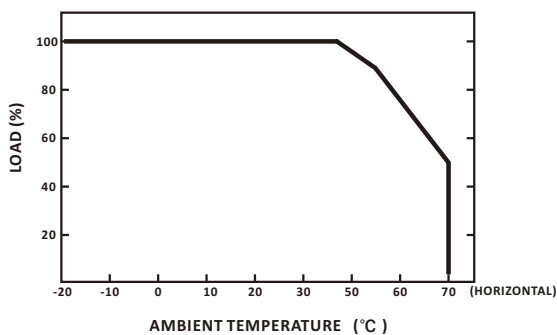
HB9500-9P flame retardant terminal  
with terminal cover

Shell: Aluminum alloy shell

## product appearance



## Temperature derating curve



## Voltage derating curve

