

W-UL 12VDC-18P/20A

CCTV UL Rated Power Supply



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The CCTV power supply is primarily designed for WUF-GV, PTZ and camera power supply of CCTV system, also used for access, building/house control, intrude alarm and other light-current, it is for desktop or wall-mounted installation.

Features :

- Soft starting current, effectively reduce the impact of AC input, independent short-circuit protection and surge protection, resume automatically after clearing of fault, EMI filter, minimum ripple, 100%load test, quality guarantee, high efficiency, low T-rise, continuous duty.
- Input with a switch, LED indicators lighten when the power supply operates normally, and each output contains independent PTC, LED indicator, which is not interfere with each other.
- Convenient installation, save a lot of time and labor

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Technical specifications:

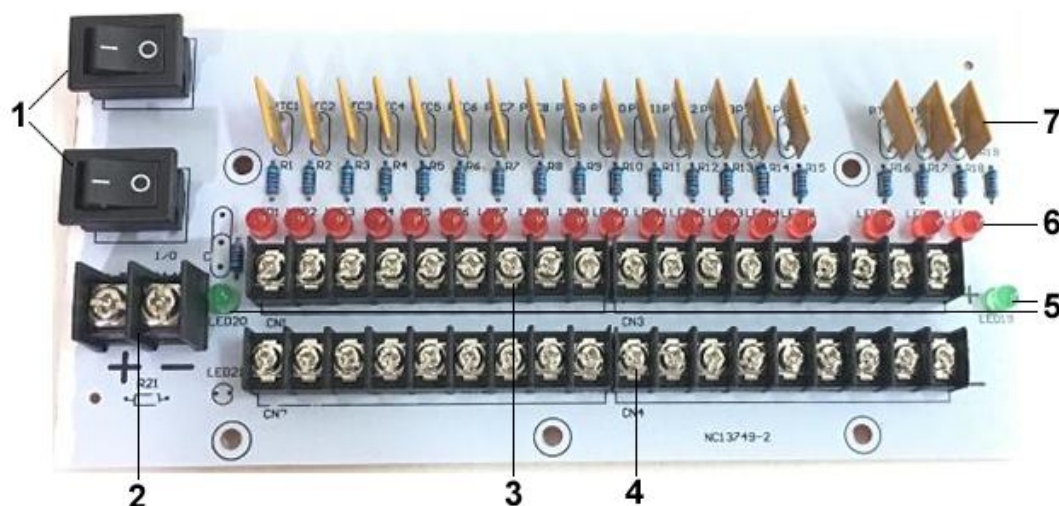
Model	W-UL 12VDC-18P/20A	
Specification	250W12V20A18P	
Shape Dimension	28.0×20.8×8.7cm	
Input	Input Voltage	110/220VAC
	Input Voltage Frequency	50Hz~60Hz
	Average Input Current	100Vac≤3.0A
	Efficiency	≥80%
Output	Output Voltage	12VDC±5%
	Output Current	20A, 18channels for 18 sets load
	Output Ripple Noise (Vp-p)	80mVp-p@25°C/ Rated input voltage & Output rated load
	reply time of starting up	≤3S Input 100Vac, Output rated load
Fuse	Type /Rating	PTC 1.6A/60V
Protection	Over voltage protection	When over voltage occurs, it will switch to self-protection status to protect the load.
	Over current protection	When over current occurs, the corresponding channel output will automatically switch to self-protection status, and the other channels output work normally, when clearing of fault, it switches back to normal.
	short-circuit protection	When short-circuit occurs, individual PTC fuse will break the circuit, when clearing of fault, it switch back to normal automatically.
Circumstances	Working Temperature	0°C~+50°C
	Storage temperature	-20°C~+80°C
	RH	20%~90%
	Heat release	Natural heat dissipation
Connection	Input	Three-pin socket
	Output	18channels output
Dielectric Strength	Input to output	1500Vac/60S leakage current≤1.5ma
	Input to FG	1500Vac/60S leakage current≤2.0ma
	FG to output	500Vac/60S leakage current≤1.5ma
Insulating strength	Input to output	≥20MΩ/500VDC@25°C
Leakage Current	≤0.12ma @AC110V (220V) /25°C	
RG	≤0.011Ω@DC8V/25A/25°C	
Inspection Equipment	YF9901 Digital Power Meter MW –MOS-620 20MHz Oscillograph	
	DZ2672A Hi-pot Tester	VC9802A DMM
	IT815 300W/0-120V Electronic Load DZ2620 Leak Resistance Tester	
	WB2678A RG Tester	

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Power supply panel diagram:

Model:W-UL 12VDC-18P/20A, 12VDC means that the output is 12V DC , 18P/20A means 18channels output, and the total current is 20Amps.



1. Power switch, used to control circuit opening and closing
2. Input(DC), 12VDC/20A
3. 18channels output (DC+), respectively connect to the positive pole of the load
4. 18channels output (DC-), respectively connect to the negative pole of the load
5. LED, it lightens when power supply works normally
6. LED, when a channel output in fault, the corresponding LED indicator goes out individually
7. PTC, individually controls each channel, automatically recovers after troubleshooting.

Installation method:

- Take out equipment from packing, check out its appearance. Power box should be installed under the environment avoiding sunshine, rain water and damp.
- Put switch to "OFF".
- Connected load to 18channels output, especially pay attention to the polarity.
- Connect power cord to the outlet, input 110V / 220V AC.
- Put switch to "ON", and the green LED lightens.
- Close box door with screws.

Daily maintenance:

- The power supply should be used under the circumstances satisfying to it works normally.
- Power box should be wiped once a month and it's better to use alcohol to wipe after moisture volatilization.
- Do not place clog(over 5kg) on the power box.
- Power box can not be converted or lay on side.
- Please put the power in a cool and dry place when it not used for long time.

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Warning

- Avoid lightning and power surge.
- Don't placed in high temperature, rainfall and humidity environments.
- Please pay attention to safety with AC110V / 220V power access.
- Note the correct connection of terminals, prevent reversing.
- Don't overload to use this product.
- Must pull down the power plug to prevent from electric shock in troubleshooting.

Packing list and maintenance instructions:

- W-UL 12VDC - 18P / 20A power box 1
- AC110V / 220V power cord 1