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ACS00N ADCW01 SERIES DC POWER SUPPLY

ACS00N ADCW01 DC power supply is a high-performance DC power supply independently developed and produced by our company for scientific research and industrial application. The internal use of imported IGBT and the branded rectifier diode, which greatly reduces the heat, reduces the machine loss, improves the power efficiency, and extends the service life of the device. The copper wire of transformer is made of red copper to reduce the heat loss of copper wire. The radiator adopts custom-made high-density radiator to improve the heat dissipation efficiency. The air forced fan adopts imported brand to reduce the fan noise and prolong the service life. Other components are domestic high-quality components, which greatly improves the overall performance of the power supply.

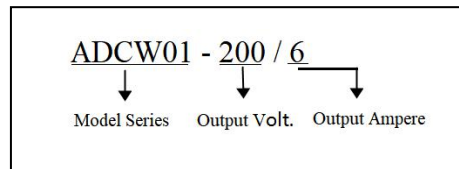
ACS00N ADCW01 DC power supply with simple operation, compact size, high efficiency, high precision, high stability and other performance, equipped with advanced LED / LCD digital display, with perfect over-voltage, over-current, over temperature, short circuit protection, make sure the user can use the product easily, more reliable. It is widely used as the research device, laboratory testing, production line, electronic product test power supply etc.

Main Features

- output voltage 0 - Nominal voltage, output current 0 - Nominal current
- Voltage and current preset: the displaying panel has preset buttons, which can preset the voltage and current values
- Voltage and current in stabilization: the voltage and current value can be continuously adjusted from zero to Nominal value, and the stabilized voltage and current can be automatically changeover
- Over voltage protection: The unit will be self locked and enter into protection mode in case of output volt 110%, be automatically unlocked after restart
- Over current protection and short circuit protection
- Short circuit alarm: when the output short circuit, the power supply sound and light alarm (optional)
- Output display: displaying voltage and current meters are VFD digital displaying
- Interface: It can be connected with the PC through RSC232, RSC485 or LAN (optional)
- Analog signal connection: The user can use 0 ~ 5V or 4 ~ 20mA signal to control the output voltage and current of the power supply (optional)
- Dual output and triple output are available.

Model Selection

Acsoon ADCW01 series DC Power supply model designation is shown below:



Technical specifications

Circuit mode	High Frequency Switching	
Input	Phase	1 Phase or 3 Phase+N+PE
	Voltage	220Vac (L-N)±10%;380Vac(L-L)±10%, or as per customized
	Frequency	50Hz/60Hz
Output	Voltage	0- Nominal Voltage adjusted Volt. 12V, 15V,24V,30V,50V,60V,100V,150V,300V,600V or as per customized
	Current	0- Nominal Voltage adjusted,With current limiting control Ampere:1A,2A,3A,5A,6A,10A,12A,20A,40A,50A,60A,75A,80A,90A,100A,150A,250A,300A,500A,1000A...or as per customized

Voltage Stabilization	Source effect	≤0.5% Nominal (The change rate of output voltage is caused by ± 10% change of input voltage)
	Load effect	≤0.5% Nominal (Output voltage change rate caused by load change from 10% - 90%)
	Time drift	≤0.5% Nominal (Change rate of output voltage caused by continuous working time more than 8 hours)
	Temperature drift	≤0.5Nominal / °C (In the power supply temperature range, the output voltage change rate caused by the ambient temperature)
Current Stabilization	Source effect	≤0.5% Nominal (Output voltage change rate caused by input voltage change in the range of + 10% - 90%)
	Load effect	≤0.5% Nominal (The output voltage varies from 90% to 10% when the load rate changes)
	Time drift	≤1% Nominal (Change rate of output voltage caused by continuous working time more than 8 hours)
	Temperature drift	≤1% Nominal / °C (in the power supply temperature range, the output voltage change rate caused by the ambient temperature)
Ripple (rms)	RMS≤0.5% Nominal Value	
Power control mode	Potentiometer switch knobs, Adjusts the resolution by one byte	
Control Interface	Modbus Protocol RS232 (RS485), setup volt.current value.on/off though PC control	
Programmable (optional)	On / off time setup through PC control. It can be used to setup multiple groups of voltage and current values cycle test through PC control.	
Displaying accuracy	Voltage meter	Four and a half VFD, Resolution > 0.1V
	Current meter	Four and a half VFD, Resolution > 0.1A
Protection	Input phase loss, Output over voltage,over load current limiting, short circuit and over temperature	
Cooling mode	Air forced fan	
IP Protection	IP20 (Could be customized as per buyer's require)	
Color	RAL7035	
Working Temp.	-10°C to 45°C	
Standard	EN61000-6-3 & EN60204-1	