

## RPS Regulated DC Power Supply RPS- 3002



Automatic



Sturdy



Easy to Read



Accurate



Safety



High quality



1 Year Warranty



### About The Product

The RPS series DC power supply is designed for scientific study, product development, laboratory, junior college and electronic production line. Output voltage and output current between 0 and rated value are continuously adjustable. They have high precision, high reliability and perfect overload protection circuit. These products are the best choice of auto industry, electronic industry, communications industry, digital product, research institutions and educational institutions. This series DC power supply works on the characteristic of constant voltage/constant current automatic switching type. It can switch over continuously between the constant voltage and constant current state along with the variation of the loads.

### Technical parameters

Voltage output range	0 – 30V
Current output range	0 – 2A
Current and voltage display model	A means pointer display, D means LED display
Display precision	Pointer display: $\pm 2.5\%$ Digital display: $\pm 1\% \pm 1$ word

### Parameter specification

Rated working condition	
Input voltage	AC 220V $\pm 10\%$ (switch to choose) 50/60Hz
Operating condition	-10°C ~ 40°C, $\leq 90\%RH$
Storage condition	-10°C ~ 40°C, $\leq 80\%RH$
Constant voltage working conditions	
Output voltage between 0 and rated value is continuously adjustable	
Voltage stability	$\leq 0.01\% + 2mV$
Load stability	$\leq 0.01\% + 2mV$
Recovery time	$\leq 100\mu s$
Ripple and noise	$\leq 1mVrms$ (effective value)
Temperature coefficient	$\leq 200PPM^{\circ}C$
Constant current working condition	
Output current between 0 and rated value is continuously adjustable	
Current stability	$\leq 0.1\% + 3mA$
Load stability	$\leq 0.2\% + 3mA$
Ripple and noise	$\leq 2mArms$ (effective value)