

REGULATED DC POWER SUPPLY

APS3003S-3D/3005S-3D



APS3003S-3D	30V/3A
APS3005S-3D	30V/5A

Features

- 0~30V,0~3A/5A dual channel adjustable and one fixed 5V/3A
- Over current protection
- Constant voltage, constant current, low ripple noise, low temperature drift
- Preset current limited point
- In tracking mode, both outputs are automatically connected in series or parallel without extra cables
- In series mode, machine can be connected as positive and negative supply
- Multiturn potentiometers, easy to setup voltage's value.
- High efficient toroidal transformer
- Dual color, four LED digital panel meters for voltage and current
- The radiator built-in.

Technical Data

Model	APS3003S-3D	APS3005S-3D
Voltage	0~30V×2	
Current	0~3A	0~5A
Dimension (D×W×H)	330×260×160mm	
Weight(kg)	7	9
Operation Mode		
Independent	Two independent variable outputs and one fixed 5V/3A output	
Series	0~60V/3A/5A	
Parallel	0~30V/6A/10A	
Constant Voltage Operation		
Line regulation	CV≤0.01%+3mA	CC≤0.2%+3mA
Load regulation	CV≤0.01%+3mV(I≤3A)	CC≤0.2%+3mA(I≤3A)
	CV≤0.02%+5mV(I>3A)	CC≤0.2%+5mA(I>3A)
Ripple Noise	CV≤1.0mVrms(I≤3A)	CC≤3mArms(I≤3A)
	CV≤2.0mVrms(I>3A)	CC≤6mArms(I>3A)

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Constant Voltage Operation	
Line regulation	CC \leq 0.2%+3mA
Load regulation	CC \leq 0.2%+3mA
Ripple Noise	\leq 3.0mArms

Constant Voltage Operation	
Parallel	
Line regulation	\leq 0.01%+3mV
Load regulation	\leq 0.01%+3mV(I \leq 3A) 0.02%+5mV(I>3A)
Series	
Line regulation	\leq 0.01%+5mV
Load regulation	\leq 300mV
Slave tracking error	\leq 0.5%+10mV(no load,with load added \leq 300mV)

Meter	
Display accuracy	Ammeter accuracy: \pm (1% of rdg+2digits)
(3digits panel meter)	Volmeter accuracy: \pm (0.5% of rdg+2digits)

Fixed 5V Output Specification	
Output voltage	5V \pm 0.25V
Output current	3A
Regulation	Line regulation \leq 25mV;Load regulation \leq 25mV
Ripple Noise	\leq 2.0mVrms
Protection	Over current and short circuit protections
Operating environment	Temperature 0~+40°C ; Humidity \leq 80%

Power Source	
AC220v \pm 10%(standard);AC 110v220v \pm 10%(optional);50Hz/60Hz)	