

TRIPLE OUTPUT DC POWER SUPPLY

GPS-3033D

EDU-LABS



- **Six 3½ Digit Digital Panel Meters Display**
- **Triple Output: 2 x (0~30V, 0~3A); 1 x Fixed 2.5V/3.3V/5V; 3A**
- Constant Voltage and Constant Current Operation
- High Stability & Low Cost
- Overload Reverse polarity protection
- Low Ripple and Noise
- Control Function for Independent, Series Or Parallel with Tracking operation
- Output ON/OFF with PRESET

Operation Mode	Two independent outputs and 2.5/3.3/5V Fixed Output
Output voltage	
Output voltage (continuously variable)	(CV) 0 ~ 30V Dual
Setting resolution	(CV) 0 ~ 30V Dual
Output current	
Output current (continuously variable)	(CC) 0 ~ 3A Dual
Setting resolution	0.01A
Series Operation mode	0~60V, 0~3A Output
Parallel Operation mode	0~30V, 0~6A Output

Voltage regulation characteristics (CV)	
Line regulation (with respect to $\pm 10\%$ variation in A)	$\leq 0.01\% + 3\text{mV}$
Load regulation (with respect to change from 0 to 100%)	$\leq 0.01\% + 3\text{mV}$
Ripple & noise	$\leq 2\text{mVrms}$
Temperature coefficient	$\leq 300\text{ppm}/^\circ\text{C}$
Current regulation characteristics (CC)	
Line regulation (with respect to $\pm 10\%$ variation in AC)	$\leq 0.2\% + 3\text{mA}$
Load regulation (with respect to change from 0 to 100%)	$\leq 0.2\% + 3\text{mA}$
Ripple & Noise	$\leq 3\text{mA rms}$
Tracking operation	
Tracking error	$< 0.5\% + 10\text{mA}$ of the Master
Series Regulation	$< 300\text{mA}$
Digital meter display (Voltmeter/Ammeter)	
Display	3½ digit panel meter
Accuracy	1% of reading + 2 digit
Voltmeter	199.9V of full scale
Ammeter	19.99A of full scale
Fixed 2.5/3.3/5V;3A output	
Line Regulation	$< 5\text{mV}$
Voltage accuracy	$5\text{V} \pm 0.25\text{V}$
Ripple & Noise	$\text{CV} \leq 2\text{mVrms}$
Insulation	
Chassis and output terminal	$20\text{M}\Omega$ or above (DC 500V)
Chassis and AC cord	$30\text{M}\Omega$ or above (DC 500V)
General	
Operating environment	$-10\sim 40^\circ\text{C}$, 80% R.H.

Cooling system	Fan
Power requirement	240V ± 10% 50Hz
Case dimensions (WxHxD) mm	250x155x330
Weight	8 kg
Accessories	Power Cord, Manual, Output Cable

NOTE: DUE TO PRODUCTS CONTINUOUS DEVELOPMENT PROCESS, LAYOUT AND SPECIFICATION MAY CHANGE WITHOUT PRIOR NOTICES.