

Multi-Output D.C. Power Supply

Patent No: ZL 02 3 35264 . 7



FEATURES

- * 2, 3 and 4 Independent Isolated Output
- * Four "3 Digits" LED Displays
- * 0.01% Load and Line Regulation
- * Low Ripple and Noise
- * Tracking Operation and Auto Series/Parallel Operation
- * Output ON/OFF Switch
- * Output Voltage and Current Setting When Output Disable
- * Fan Speed Control Circuit to Minimize Fan Noise
- * Over Load and Reverse Polarity Protection
- * Optional European Jack Type Terminal

GPS-2303/3303/4251/4303

		SPECIFICATIONS												
		GPS-4303				GPS-4251				GPS-3303			GPS-2303	
OUTPUT MODE	Voltage Current Tracking Series Voltage Tracking Parallel Current	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH1	CH2
		0 ~ 30V	2.2 ~ 5.2V	8 ~ 15V		0 ~ 25V	3 ~ 6V	8 ~ 15V		0 ~ 30V	5V Fixed		0 ~ 30V	
		0 ~ 3A	1A Max.	1A Max.		0 ~ 0.5A	2.5A Max.	1A Max.		0 ~ 3A	3A Max.		0 ~ 3A	
		0 ~ 60V	----			0 ~ 50V	----			0 ~ 60V	----		0 ~ 60V	
		0 ~ 6A	----			0 ~ 1A	----			0 ~ 6A	----		0 ~ 6A	
CONSTANT VOLTAGE OPERATION (CH1, CH2)	Line Regulation Load Regulation Ripple & Noise Recovery Time	$\leq 0.01\% + 3mV$ $\leq 0.01\% + 3mV$ (rating current $\leq 3A$) $\leq 0.02\% + 5mV$ (rating current $> 3A$) $\leq 1mV_{rms}$, 5Hz ~ 1MHz $\leq 100\mu S$ (50% Load change, Minimum load 0.5A)												
CONSTANT CURRENT OPERATION (CH1, CH2)	Line Regulation Load Regulation Ripple & Noise	$\leq 0.2\% + 3mA$ $\leq 0.2\% + 3mA$ $\leq 3mArms$												
TRACKING OPERATION (CH1, CH2)	Tracking Error Series Regulation Load Regulation Ripple & Noise	$\leq 0.5\% + 10mV$ of the CH1 $\leq 300mV$ $\leq 0.01\% + 3mV$ $\leq 2mV_{rms}$, 5Hz ~ 1MHz												
GPS-4303 2.2V ~ 5.2V OUTPUT (CH3) GPS-3303 5V FIX OUTPUT (CH3) GPS-4251 3V~6V OUTPUT(CH3)	Line Regulation Load Regulation Ripple & Noise Current Output	$\leq 5mV$ $\leq 15mV$ $\leq 2mV_{rms}$, 5Hz ~ 1MHz GPS-4303: 1A, GPS-3303: 3A, GPS-4251: 2.5A												
GPS-4303 8V ~ 15V OUTPUT (CH4) GPS-4251 8V~15V OUTPUT (CH4)	Line Regulation Load Regulation Ripple & Noise Current Output	$\leq 5mV$ $\leq 10mV$ $\leq 2mV_{rms}$, 5Hz ~ 1MHz 1A												
METER	Digital	3 digits 0.5" LED display GPS-4303/4251/3303 Out ON Accuracy $\pm (0.5\% rdg + 2 \text{ digits})$ GPS-4303/4251/3303 Out OFF Accuracy $\pm (0.5\% rdg + 8 \text{ digits})$ GPS-2303 Accuracy $\pm (0.5\% rdg + 2 \text{ digits})$												
INSULATION	Chassis and Terminal Chassis and AC Cord	$\geq DC 500V / 20M\Omega$ $\geq DC 500V / 30M\Omega$												
POWER SOURCE		AC 100V/120V/220V($\pm 10\%$)/230V($+10\%--6\%$), 50/60Hz												
ACCESSORIES		Instruction manual x 1, Power cord x 1, GPS-4303: Test lead GTL-104 x 2, GTL-105 x 2 ; European test lead GTL-203 x 2, GTL-204 x 2 GPS-4251: Test lead GTL-105 x 4 ; European test lead GTL-203 x 4 GPS-3303: Test lead GTL-104 x 2, GTL-105 x 1 ; European test lead GTL-203 x 1, GTL-204 x 2 GPS-2303: Test lead GTL-104 x 2 ; European test lead GTL-204 x 2												
DIMENSIONS & WEIGHT		255(W) x 145(H) x 265(D) mm, Approx. 7 kg (GPS-4303/3303/2303) ; Approx. 6.3kg (GPS-4251)												

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ORDERING INFORMATION

- GPS-4303** 4-channels, 200W D.C. Power Supply
- GPS-4251** 4-channels, 55W D.C. Power Supply
- GPS-3303** 3-channels, 195W D.C. Power Supply
- GPS-2303** 2-channels, 180W D.C. Power Supply