GPS-2303/3303/4303

Patent No: ZL 02 3 35264 . 7

The GPS-Series are 2-4 channel, 180 to 200W output, linear DC power supplies. Overload and reverse polarity protection and an output on/off switch keep the GPS-Series and their load safe from unexpected conditions. A High regulation (0.01%+3mV) and low ripple/noise (< 1mVrms, 5Hz~1MHz) are maintained for channel 1 and 2 in constant voltage mode. Automated cooling fan speed control minimizes fan noise according to load conditions, ensuring quiet operation. The GPS-Series are an ideal solution for lightweight, inexpensive bench-top or portable applications requiring high regulation and multiple outputs.

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 (Except for GPS-2303)
* Fan Speed Control Circuit to Minimize Fan Noise
* Over Load and Reverse Polarity Protection
* Optional European Jack Type Terminal

SPECIFICATIONS

	GPS-4303				GPS-3303			GPS-2303	
OUTPUT MODE									
	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH1	CH2
Voltage	0 ~ 30V		2.2 ~ 5.2V	8 ~ 15V	0 ~ 30V		5V Fixed	0 ~ 30V	
Current	0 ~ 3A		1A Max.	1A Max.	0 ~ 3A		3A Max.	0 ~ 3A	
Tracking Series Voltage	0 ~ 60V		----		0 ~ 60V		----	0 ~ 60V	
Tracking Parallel Current	0 ~ 6A				0 ~ 6A			0 ~ 6A	
CONSTANT VOLTAGE OPERATION (CH1, CH2)									
Line Regulation	≤ 0.01% + 3mV								
Load Regulation	≤ 0.01% + 3mV (rating current ≤ 3A) ≤ 0.02% + 5mV (rating current > 3A)								
Ripple & Noise	≤ 1mVrms , 5Hz ~ 1MHz								
Recovery Time	≤ 100 μS (50% Load change, Minimum load 0.5A)								
CONSTANT CURRENT OPERATION (CH1, CH2)									
Line Regulation	≤ 0.2% + 3mA								
Load Regulation	≤ 0.2% + 3mA								
Ripple & Noise	≤ 3mArms								
TRACKING OPERATION (CH1, CH2)									
Tracking Error	≤ 0.5% + 10mV of CH1								
Series Regulation	≤ 0.01% + 5mV								
Load Regulation	≤ 300mV								
Ripple & Noise	≤ 2mVrms , 5Hz ~ 1MHz								
CH3 OPERATION (for GPS-3303/4303)									
CH3 Voltage	GPS-4303 : 2.2V ~ 5.2V , GPS-3303 : 5V Fix								
Line Regulation	≤ 5mV								
Load Regulation	≤ 15mV								
Ripple & Noise	≤ 2mVrms, 5Hz ~ 1MHz								
Current Output	GPS-4303 : 1A, GPS-3303 : 3A								
CH4 OPERATION (for GPS-4303)									
CH4 VOLTAGE	8V ~ 15V								
Line Regulation	≤ 5mV								
Load Regulation	≤ 10mV								
Ripple & Noise	≤ 2mVrms, 5Hz ~ 1MHz								
Current Output	1A								
METER									
Digital	3 digits 0.5" LED display GPS-4303/3303 Out ON Accuracy ± (0.5% of rdg + 2 digits) GPS-4303/3303 Out OFF Accuracy ± (0.5% of rdg + 8 digits) GPS-2303 Accuracy ± (0.5% of rdg + 2 digits)								
INSULATION									
Chassis and Terminal	≥ DC 500V / 20MΩ								
Chassis and AC Cord	≥ DC 500V / 30MΩ								
POWER SOURCE									
AC 100V/120V/220V±10%, 230V(+10%~-6%), 50/60Hz									
DIMENSIONS & WEIGHT									
255(W) x 145(H) x 265(D) mm, Approx. 7 kg									

GPS-001
Voltage/Current protection Knob

ORDERING INFORMATION

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

ACCESSORIES :
User 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, GTL-201A x1
GPS-3303:Test lead GTL-104 x 2,GTL-105 x 1 ; European test lead GTL-203 x 1,GTL-204 x 2, GTL-201A x1
GPS-2303:Test lead GTL-104 x 2 ; European test lead GTL-204 x 2, GTL-201A x1

OPTIONAL ACCESSORIES

GPS-001 Voltage/Current Protection Knob (It's available OCT/07' production batch)

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