

## Multiple Output Linear D.C. Power Supply



### GPS-2303/3303/4303



#### 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

#### GPS-001

Voltage/Current protection Knob



#### Rear Panel



GPS-3303

The GPS Series linear power supplies have 2-4 independent output channels, 180W to 200W output, overload and reverse polarity protection as well as an output ON/OFF switch for safety. The tracking mode switches allow voltage/current to be output in parallel or series and the intelligent fan reduces noise. The GPS-Series are entry level general purpose power supplies recognized for their affordability in education, laboratories and industry.

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

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

#### OPTIONAL ACCESSORIES

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

## Linear D.C. Power Supply



### GPR-U Series



#### FEATURES

- \* 0.01% High Regulation
- \* Constant Voltage and Constant Current Operation
- \* Low Ripple and Noise
- \* Overload and Reverse Polarity Protection
- \* 3 1/2 Digits 0.5" LED Display
- \* Application for Material and Products Aging
- \* Built-In Overvoltage and Overcurrent Tripped Growbar
- \* Ten-Turn Potentiometer

The GPR-U Series are single output, 500 to 900W, linear DC power supplies. Overload and reverse polarity protection in addition to OVP/OCP/OTP protect the GPR-U Series and their load from unexpected conditions. High regulation and low ripple/noise are maintained at 0.01% and < 2mVrms, respectively for CV mode. The GPR-U series can be ordered with a customized output requirement from voltage rating from 8 to 1000V and current rating from 0.5~75A (under 1kVA available). The GPR-U Series are the ideal lineup for system applications requiring large output capacity and custom-made output settings, such as material testing and product copper plating.

SPECIFICATIONS	
<b>CONSTANT VOLTAGE OPERATION</b>	
Regulation	Line regulation ≤ 0.01% + 3mV Load regulation ≤ 0.01% + 5mV (<10A) ≤ 0.02% + 5mV (≥10A)
Ripple & Noise	≤ 2mVrms (5Hz ~ 1MHz)
Recovery Time	≤ 100μS (50% Load change, Minimum load 0.5A)
Output Range	0 to rating voltage continuously adjustable
<b>CONSTANT CURRENT OPERATION</b>	
Regulation	Line regulation ≤ 0.2% + 3mA Load regulation ≤ 0.2% + 3mA
Ripple Current	≤ 5mArms (≤ 20A), ≤ 20mArms (≤ 50A) ≤ 100mArms (≤ 100A)
Output Range	0 to rating current continuously adjustable
<b>METER</b>	
Type	3 1/2 Digits 0.5" LED display
Accuracy	± (0.5% of rdg + 2 digits)
<b>INSULATION</b>	
Chassis and Terminal	100MΩ or above (DC 1000V)
Chassis and AC Cord	100MΩ or above (DC 1000V)
<b>POWER SOURCE</b>	
AC 120V ± 10%, 50/60Hz (AC220V or 240V order made)	
<b>DIMENSIONS</b>	
430(W) x 178(H) x 572(D) mm	

#### Rear Panel



GPR-6015HD



GPR-25H30D

#### ORDERING INFORMATION

Model	Output Volts (V)	Output Amps (A)	Weight (kg)
GPR-1850HD	0 ~ 18	0 ~ 50	30
GPR-3520HD	0 ~ 35	0 ~ 20	29.5
GPR-6015HD	0 ~ 60	0 ~ 15	30
GPR-7510HD	0 ~ 75	0 ~ 10	29.5
GPR-16H50D	0 ~ 160	0 ~ 5	30.5
GPR-25H30D	0 ~ 250	0 ~ 3	29.5
GPR-35H20D	0 ~ 350	0 ~ 2	29.5
GPR-50H15D	0 ~ 500	0 ~ 1.5	29.5
GPR-60H15D	0 ~ 600	0 ~ 1.5	30.5
GPR-100H05D	0 ~ 1000	0 ~ 0.5	28.5

ACCESSORIES :  
User manual x 1  
Test lead GTL-105A x 1 (≤ 3A) or GTL-104A x 1 (≤ 10A) or Not Available (> 10A or 600V)

Note: Special order 8 volts to 1000 volts and 0.5 Amps to 75 Amps under 1kVA available.  
Rear-Panel Output for GPR-1850HD/3520HD/6015HD

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