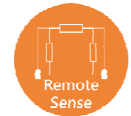


## GPE-1205/1323

### Single Channel Linear DC Power Supply



## FEATURES

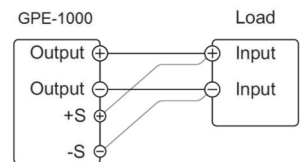
- \* 2.4" TFT LCD
- \* Encoder Switch to Set up Voltage and Current
- \* Voltage Setting Resolution 1 mV
- \* Voltage Readback Resolution 100  $\mu$ V
- \* Current Setting Resolution 0.1 mA
- \* Current Readback Resolution 10  $\mu$ A
- \* Provided Hardware Protections: OVP, OCP, OTP, On/Off Switch, Key Lock
- \* Provided Remote Sense (Compensates Voltage up to 1 V)
- \* Can Perform Series/Parallel Connection of Two GPE-1000 Units of The Same Model Through The Rear Panel Control I/O Interface

The GPE-1000 series is a single output, 96 W to 100 W, linear DC power supply. GPE-1000 series provides small, compact size for bench use; low output ripple and noise  $\leq 0.5$  mVrms; High resolution setting and readback. Also, the GPE-1000 Series offer 4-wire remote sense to give you an accurate voltage at the load.

#### A HI RESOLUTION SETTING AND READBACK



#### B REMOTE SENSING



#### C PROTECTION, OVP, OCP, KEY LOCK, ON/OFF



#### D TWO UNITS CAN SERIES/ PARALLEL



## APPLICATIONS

- \* Research & Education
- \* HiFi Audio Circuit
- \* Devie/Components Testing
- \* 3C Products Testing

### European Type Jack Terminal



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## SPECIFICATIONS

### OUTPUT RATINGS

Independent	0 V to 32 V, 0 A to 3 A (GPE-1323) 0 V to 20 V, 0 A to 5 A (GPE-1205)
Series (2 units with series function)	0 V to 64 V, 0 A to 3 A (GPE-1323) 0 V to 40 V, 0 A to 5 A (GPE-1205)
Parallel (2 units with parallel function)	0 V to 32 V, 0 A to 6 A (GPE-1323) 0 V to 20 V, 0 A to 10 A (GPE-1205)

### CONSTANT VOLTAGE OPERATION

Line Regulation	$\leq 0.01\% + 3\text{ mV}$
Load Regulation	$\leq 0.01\% + 3\text{ mV}$ $\leq 0.01\% + 5\text{ mV}$ ( $\geq 3\text{ A}$ )
Ripple & Noise	$\leq 0.5\text{ mVrms}$ (5 Hz to 1 MHz)
Setting Range	0 V to 33.6 V (GPE-1323) 0 V to 21 V (GPE-1205)
Setting/Readback Accuracy	$\pm (0.03\% \text{ of reading} + 10\text{ mV})$
Setting/Readback Resolution	1 mV / 0.1 mV
Maximum Remote Sensing Compensation Voltage	1 V
Recovery Time	$\leq 100\text{ }\mu\text{s}$ (50 % load change, minimum load 0.5 A)
Temperature Coefficient	$\leq 300\text{ ppm}/^\circ\text{C}$

### CONSTANT CURRENT OPERATION

Line Regulation	$\leq 0.2\% + 3\text{ mA}$
Load Regulation	$\leq 0.2\% + 3\text{ mA}$
Ripple & Noise	$\leq 2\text{ mArms}$
Setting Range	0 A to 3.15 A (GPE-1323) 0 A to 5.25 A (GPE-1205)
Setting/Readback Accuracy	$\pm (0.3\% \text{ of reading} + 10\text{ mA})$
Setting/Readback Resolution	0.1 mA / 0.01 mA
Temperature Coefficient	$\leq 300\text{ ppm}/^\circ\text{C}$

### PROTECTION

OVP	Range	OFF, ON (1.8 V to 35.2 V) (GPE-1323) OFF, ON (1.0 V to 22.0 V) (GPE-1205)
	Resolution	100 mV
	Accuracy	$\leq \pm 100\text{ mV}$
OCP	Range	OFF, ON (0.15 A to 3.3 A) (GPE-1323) OFF, ON (0.25 A to 5.5 A) (GPE-1205)
	Resolution	10 mA
	Accuracy	$\leq \pm 20\text{ mA}$

### DISPLAY

	LCD	2.4-inch TFT LCD
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### INSULATION

	Chassis and Terminal	20 M $\Omega$ or above (DC 500 V)
	Chassis and AC Cord	30 M $\Omega$ or above (DC 500 V)

### ENVIRONMENT

Operation Environment	Indoor use, Altitude: $\leq 2000\text{ m}$ ; Ambient temperature: $0^\circ\text{C}$ to $40^\circ\text{C}$ ; Relative humidity: $\leq 80\%$ ; Installation category: II; Pollution degree: 2
Storage Environment	Ambient temperature: $-10^\circ\text{C}$ to $70^\circ\text{C}$ Relative humidity: $\leq 70\%$

### POWER SOURCE AND POWER CONSUMPTION

Power Source	AC (100 V, 120 V, 220 V, 240 V) $\pm 10\%$ , 50 or 60 Hz
Power Consumption	300 VA

### DIMENSIONS AND WEIGHT

Dimensions & Weight	107 mm x 124 mm x 313 mm, (W x H x D); Approx. 5.2 kg
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The specifications apply when the GPE-1205/1323 are powered on for at least 30 minutes under  $+20^\circ\text{C}$  to  $+30^\circ\text{C}$ .

Specifications subject to change without notice. GPE-1000\_E\_ID1DH

## ORDERING INFORMATION

	Model	Output Volts (V)	Output Amps (A)	Weight (kg)
GPE-1205	100 W Single Channel Linear DC Power Supply	0 V to 20 V	0 A to 5 A	5.2
GPE-1323	96 W Single Channel Linear DC Power Supply	0 V to 32 V	0 A to 3 A	5.2

### ACCESSORIES:

Standard	Power Cord x 1, Packing List x 1, Test lead: Non-European: GTL-104A x 1 Test lead: European: GTL-204A x 1
Optional	GTL-234 RS-232C cable, 9 pin, F-F Type GRA-441-J Rack mount kit JIS, GRA-441-J Rack mount kit JIS, GRA-441-E Rack mount kit EIA

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