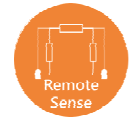


GPE-1205/1323

Single Channel Linear DC Power Supply

GW INSTEK
Simply Reliable



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 ≤ 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.

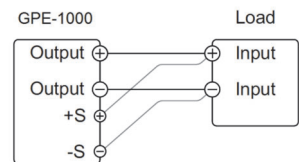
FEATURES

- * 2.4" TFT LCD
- * Encoder Switch to Set up Voltage and Current
- * Voltage Setting Resolution 1 mV
- * Voltage Readback Resolution 100 μ V
- * Current Setting Resolution 0.1 mA
- * Current Readback Resolution 10 μ 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

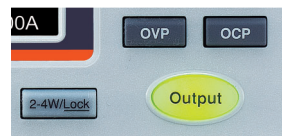
A HI RESOLUTION SETTING AND READBACK



B REMOTE SENSING



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



D TWO UNITS CAN SERIES/ PARALLEL



European Type Jack Terminal



APPLICATIONS

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



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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	≤ 0.01 % + 3 mV	
Load Regulation	≤ 0.01 % + 3 mV ≤ 0.01 % + 5 mV (≥ 3 A)	
Ripple & Noise	≤ 0.5 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	± (0.03 % of reading + 10 mV)	
Setting/Readback Resolution	1 mV / 0.1 mV	
Maximum Remote Sensing Compensation Voltage	1 V	
Recovery Time	≤ 100 μs (50 % load change, minimum load 0.5 A)	
Temperature Coefficient	≤ 300 ppm/°C	
CONSTANT CURRENT OPERATION		
Line Regulation	≤ 0.2 % + 3 mA	
Load Regulation	≤ 0.2 % + 3 mA	
Ripple & Noise	≤ 2 mArms	
Setting Range	0 A to 3.15 A (GPE-1323) 0 A to 5.25 A (GPE-1205)	
Setting/Readback Accuracy	± (0.3 % of reading + 10 mA)	
Setting/Readback Resolution	0.1 mA / 0.01 mA	
Temperature Coefficient	≤ 300 ppm/°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	≤ ± 100 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	≤ ± 20 mA
DISPLAY		
	LCD	2.4-inch TFT LCD
INSULATION		
	Chassis and Terminal	20 MΩ or above (DC 500 V)
	Chassis and AC Cord	30 MΩ or above (DC 500 V)
ENVIRONMENT		
Operation Environment	Indoor use, Altitude: ≤ 2000 m; Ambient temperature: 0 °C to 40 °C; Relative humidity: ≤ 80 %; Installation category: II; Pollution degree: 2	
Storage Environment	Ambient temperature: -10 °C to 70 °C Relative humidity: ≤ 70 %	
POWER SOURCE AND POWER CONSUMPTION		
Power Source	AC (100 V, 120 V, 220 V, 240 V) ± 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	

The specifications apply when the GPE-1205/1323 are powered on for at least 30 minutes under +20 °C to +30 °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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