GPE-X323A Series

Multiple Output Linear DC Power Supply

GW INSTEK
Simply Reliable

CE Remote I/O

The GPE-X323A series is a cutting edge, economical linear DC Power supply. The GPE-X323A series features output power from 192 watts to 217 watts, three independent isolated output channels (for GPE-3323A), high resolution, low noise, high reliability, and compact size. The GPE-X323A series has a built-in digital panel control design to replace conventional control method. This unique design allows the GPE-X323A series linear DC power supply to provide users with more efficient functionalities, including set view and key lock so as to expedite the operation process. The key lock function protects DUTs by preventing others from changing voltage and current parameters. Additionally, output key light facilitates users in clearly reading the operational status of power supply.

FEATURES

* 1/2/3/4 Independent Isolated Output
* 4.3 Inch LCD Display
* Setting & Readback Resolution 10 mV/ 1 mA (GPE-1326A is 10 mV/2 mA)
* Output ON/OFF Switch
* Analog Control (Remote I/O) for Output ON/OFF
* Key Lock Function
* Tracking Series and Parallel Operation (Multi-channel Models)
* Optional European Jack Type Terminal
* Recovery Time：≤100 μs (50 % Load Change, Minimum Load 0.5 A)
* Remote Sense (GPE-1326A Only)

European Type Jack Terminal

GPE-1326A

GPE-2323A

GPE-3323A

GPE-4323A

Rear Panel

APPLICATIONS

* Laboratories and Educational Facilities
* Product Testing and Quality Assurance
* Service Operation and Post-Sales Support
* Product Development and Debugging

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SPECIFICATIONS

		GPE-4323A	GPE-3323A	GPE-2323A	GPE-1326A
OUTPUT MODE					
Voltage & Current	**CH1**	0 V to 32 V / 0 A to 3 A	0 V to 32 V / 0 A to 3 A	0 V to 32 V / 0 A to 3 A	0 V to 32 V / 0 A to 6 A
	CH2	0 V to 32 V / 0 A to 3 A	0 V to 32 V / 0 A to 3 A	0 V to 32 V / 0 A to 3 A	-
	CH3	0 V to 5 V / 0 A to 1 A	5 V / 5 A	-	-
	CH4	0 V to 15 V / 0 A to 1 A	-	-	-
Tracking Series		0 V to 64 V / 0 A to 3 A	0 V to 64 V / 0 A to 3 A	0 V to 64 V / 0 A to 3 A	-
Tracking Parallel		0 V to 32 V / 0 A to 6 A	0 V to 32 V / 0 A to 6 A	0 V to 32 V / 0 A to 6 A	-
VOLTAGE REGULATION					
Line		≤ 0.01 % + 3 mV			
Load		≤ 0.01 % + 3 mV (rating current ≤ 3 A) ≤ 0.02 % + 5 mV (rating current > 3 A)			
Ripple & Noise		≤ 1 mVrms (5 Hz to 1 MHz)			
Recovery Time		≤ 100 µs (50 % load change, minimum load 0.5 A)			
Temperature Coefficient		≤ 300 ppm/°C			
CURRENT REGULATION					
Line		≤ 0.2 % + 3 mA			
Load		≤ 0.2 % + 3 mA			
Ripple & Noise		≤ 3 mArms			
TRACKING OPERATION (CH1,CH2)					
Tracking Error		≤ 0.1 % + 10 mV of Master (No Load, with load add load regulation ≤100 mV)			
Parallel Regulation		Line: ≤ 0.01 % + 3 mV Load: ≤ 0.01 % + 3 mV (rating current ≤ 3 A) Load: ≤ 0.02 % + 5 mV (rating current > 3 A)			
Ripple & Noise		≤ 1 mVrms (5 Hz to 1 MHz)			
Series Regulation		Line: ≤ 0.01 % + 5 mV			
		Load: ≤ 100 mV			
Ripple & Noise		≤ 2 mVrms (5 Hz to 1 MHz)			
OVP					
Range		CH1/CH2: OFF, ON (1 V to 36 V) CH3: OFF, ON (1 V to 6 V) (GPE-4323A) CH4: OFF, ON (1 V to 16 V) (GPE-4323A)			
Resolution		1 V			
Accuracy		≤ ± 1 V			
DISPLAY					
LCD		4.3-inch single color LCD display			
Ammeter		CH1/CH2: 3.200 A, full scale, 4 digits or 3 digits CH3: 1.000 A, full scale, 4 digits or 3 digits CH4: 1.000 A, full scale, 4 digits or 3 digits 6.200 A full scale, 4 digits or 3 digits (GPE-1326A)			
Current Resolution		1 mA or 10 mA ; 2 mA or 10 mA (GPE-1326A)			
Voltmeter		CH1/CH2: 32.00 V, full scale, 4 digits or 3 digits CH3: 5.00 V, full scale, 4 digits or 3 digits CH4: 15.00 V, full scale, 4 digits or 3 digits			
Voltage Resolution		10 mV or 100 mV			
ACCURACY					
Setting/Readback Accuracy	**Voltage**	± (0.1 % of reading + 30 mV) (4 digits) ; ± (0.1 % of reading + 200 mV) (3 digits)			
	Current	± (0.3 % of reading + 6 mA) (4 digits) ; ± (0.3 % of reading + 20 mA) (3 digits) (GPE-4323/3323/2323) ± (0.3 % of reading + 10 mA) (4 digits) ; ± (0.3 % of reading + 20mA) (3 digits) (GPE-1326A)			
CH3 ON THE GPE-3323A					
Output		5 V ± 5 %, 5 A			
Line		≤ 3 mV			
Load		≤ 5 mV			
Ripple & Noise		≤ 1 mVrms (5 Hz to 1 MHz)			
OVP		5.5 V			
INSULATION					
Chassis and Terminal		20 MΩ or above (DC 500 V)			
Chassis and AC Cord		30 MΩ or above (DC 500 V)			
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					
AC 100 V / 120 V / 220 V ± 10 %, 230 V + 10 % / -6 %, 50/60Hz					
CONSUMPTION					
550 VA / 420 W, MAX					
DIMENSIONS & WEIGHT					
210 mm x 155 mm x 306 mm, (W x H x D), Approx. 7 kg					

The specifications apply when the GPE-x323A series are powered on for at least 30 minutes under +20 °C to +30 °C.

Specifications subject to change without notice. GPE-X323A_E_ID1DH

ORDERING INFORMATION

Model		Output Volts (V)	Output Amps (A)	Weight (kg)
GPE-1326A	**Single Channel, 192 W Linear DC Power Supply**	**0 V to 32 V**	**0 A to 6 A**	**7**
GPE-2323A	**2 Channels, 192 W Linear DC Power Supply**	**CH1/CH2: 0 V to 32 V**	**CH1/CH2: 0 A to 3 A**	**7**
GPE-3323A	**3 Channels, 217 W Linear DC Power Supply**	**CH1/CH2: 0 V to 32 V**	**CH1/CH2: 0 A to 3 A**	**7**
		CH3: 5 V	**CH3: 5 A**	
GPE-4323A	**4 Channels, 212 W Linear DC Power Supply**	**CH1/CH2: 0 V to 32 V**	**CH1/CH2: 0 A to 3 A**	**7**
		CH3: 0 V to 5 V	**CH3: 0 A to 1 A**	
		CH4: 0 V to 15 V	**CH4: 0 A to 1 A**	

ACCESSORIES:

Standard	Power Cord x 1, Packing List x 1,		
	Test lead: Non-European	GPE-1326A: GTL-104A x 1, GTL-105A x 1	GPE-3323A: GTL-104A x 3
		GPE-2323A: GTL-104A x 2	GPE-4323A: GTL-104A x 2, GTL-105A x 2
	Test lead: European	GPE-1326A: GTL-204A x 1, GTL-203A x 1	GPE-3323A: GTL-204A x 3
		GPE-2323A: GTL-204A x 2	GPE-4323A: GTL-204A x 2 , GTL-203A x 2

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