Multiple Output Linear D.C. Power Supply



CE Remote I/O

GPE-X323 Series

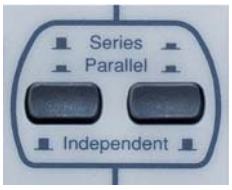
FEATURES

- 1/2/3/4 Independent Isolated Output
- 4.3 Inch LCD Display
- Setting & Read Back Resolution 100mV/10mA (*1)
- Output On/off
- Analog Control (Remote I/O) For Output ON/OFF
- Set View Function For Checking an Original V/I Setting During Output On
- Key Lock Function
- Tracking Series And Parallel Operation
- Smart Cooling Fan Achieving Low Noise
- Optional European Jack Type Terminal

The GPE-X323 series is cutting edge, economical linear DC Power supplies. The GPE-X323 series features output power from 192 to 217 watts, three independent isolated output channels (for GPE-3323), high resolution, low noise, high reliability, and compact size. The GPE-X323 series has a built-in digital panel control design to replace conventional control method. This unique design allows the GPE-X323 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.

Tracking Series and Parallel Operation

In addition to independent output channels, the GPE-X323 series provides tracking series and parallel operation (For GPE-2323/GPE-3323/GPE-4323). The series and parallel connections allow power supplies to output 32V/6A (Parallel Connection) and 64V/3A (Series Connection).



Internal connection for tracking Series and Parallel operation via control panel



Front



Rear Panel

Convenient Function

The GPE-X323 series has a built-in set view and key lock so as to expedite the operation process. The key lock function protects DUTs by preventing others from changing voltage/ current parameters.



The key lock function prevent DUTs from unnecessary damages caused by mis-operation.

Remote I/O for output On/Off function

The GPE-X323 Series also provides the analog control (Remote I/O) function for external output On/Off control.



For controlling the output On/Off function through the specific pin assignment of remote control connector which is in rear panel.

APPLICATIONS

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

GW INSTEK
Simply Reliable

SPECIFICATIONS

		GPE-4323				GPE-3323			GPE-2323		GPE-1326
OUTPUT MODE	Number of Channel	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH1	CH2	CH1
	Voltage	0~32V	0~32V	0~5V	0~15V	0~32V	0~32V	5V	0~32V	0~32V	0~32V
	Current	0~3A	0~3A	0~1A	0~1A	0~3A	0~3A	5A	0~3A	0~3A	0~6A
	Tracking Series Voltage	0~64V		–		0~64V		–	0~64V		–
	Tracking Parallel Current	0~6A				0~6A			0~6A		
CONSTANT VOLTAGE OPERATION	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)									
CONSTANT CURRENT OPERATION	Line Regulation	≦0.2%+3mA									
	Load Regulation	≦0.2%+3mA									
	Ripple & Noise	≦3mArms									
TRACKING OPERATION (CH1,CH2)	Tracking Error	≦0.1%+10mV of Master(0~32V) No Load , with Load add load regulation≦100mV)									
	Parallel Regulation	Line : ≦0.01%+3mV Load : ≦0.01%+3mV(rating current≦3A); ≦0.02%+5mV(rating current＞3A)									
	Series Regulation	Line : ≦0.01%+5mV Load :≦100mV									
	Ripple & Noise	≦2mVrms, 5Hz ~ 1MHz									
CH3 OPERATION FOR (GPE-3323)	Output Voltage	5.0V, ±5%									
	Output Current	5A									
	Line Regulation	≦3mV									
	Load Regulation	≦5mV									
	Ripple & Noise	1mVrms(5Hz~1MHz)									
METER	Voltage Resolution	100mV (*1)									
	Current Resolution	10mA (*1)									
	Setting Accuracy	Voltage±(0.1% of reading +30mV); Current±(0.3% of reading +6mA)									
	Readback Accuracy	Voltage±(0.1% of reading +30mV); Current±(0.3% of reading +6mA)									
INSULATION	Chassis and Terminal	20MΩ or above (DC 500V)									
	Chassis and AC Cord	30MΩ or above (DC 500V)									
ENVIRONMENT CONDITION	Operation Temp	0~40℃									
	Storage Temp	-10~70℃									
	Operating Humidity	≦80% RH									
	Storage Humidity	≦70% RH									
OTHER	Power Source	AC100V/120V/220V±10%; 230V(+10%~-6%); 50/60Hz									
	Dimensions & Weight	210(W)x 155(H) x 306(D) mm ; Approx. 7kg									

Note : (*1) For a higher resolution (10mV/1mA), please follow the setting procedure of the user manual on p35.
When using a higher resolution, the current or voltage adjustment may be limited by the knob sensibility.

Specifications subject to change without notice. PE-x303CD1DH

ORDERING INFORMATION

GPE-1326 Single Channel, 192W Linear DC Power Supply
GPE-2323 2 Channels, 192W Linear DC Power Supply
GPE-3323 3 Channels, 217W Linear DC Power Supply
GPE-4323 4 Channels, 212W Linear DC Power Supply

ACCESSORIES

User Manual (CD) x 1 ; Power Cord x 1
GPE-1326 Test Lead GTL-104A x 1; GTL-105 x 1 ; or European GTL-204A x 1, GTL-203A x1
GPE-2323 Test Lead GTL-104A x 2; or European GTL-204A x 2
GPE-3323 Test Lead GTL-104A x 3; or European GTL-204A x 3
GPE-4323 Test Lead GTL-104A x 2; GTL-105A x 2 or European GTL-204A x 2, GTL-203A x 2

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