

Multiple Output Linear D.C. Power Supply



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

Convenient Function

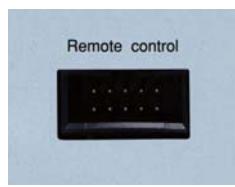
The GPE-X323 series has a built-in set view and key lock so as to expedite the operation process. The key lock function protects DUTs by preventing others from changing voltage/current parameters.



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.

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
- Optional European Jack Type Terminal



Front



Rear Panel

APPLICATIONS

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

GPE-X323 Series

SPECIFICATIONS

		GPE-4323				GPE-3323			GPE-2323		GPE-1326	
OUTPUT MODE	Number of Channel Voltage Current Tracking Series Voltage Tracking Parallel Current	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH1	CH2	CH1	
		0~32V	0~32V	0~5V	0~15V	0~32V	0~32V	5V	0~32V	0~32V	0~32V	
		0~3A	0~3A	0~1A	0~1A	0~3A	0~3A	5A	0~3A	0~3A	0~6A	
		0~64V	—	—	—	0~64V	—	—	0~64V	—	—	
CONSTANT VOLTAGE OPERATION	Line Regulation	$\leq 0.01\% + 3mV$										
	Load Regulation	$\leq 0.01\% + 3mV$ (rating current $\leq 3A$); $\leq 0.02\% + 5mV$ (rating current $> 3A$)										
CONSTANT CURRENT OPERATION	Ripple & Noise	$\leq 1mV_{rms}$ (5Hz~1MHz)										
	Recovery Time	$\leq 100\mu s$ (50% Load Change, minimum load 0.5A)										
TRACKING OPERATION (CH1,CH2)	Line Regulation	$\leq 0.2\% + 3mA$										
	Parallel Regulation	$\leq 0.2\% + 3mA$										
	Series Regulation	$\leq 0.01\% + 5mV$										
CH3 OPERATION FOR (GPE-3323)	Ripple & Noise	$\leq 100mV$ $\leq 2mV_{rms}$, 5Hz ~ 1MHz										
	Output Voltage	5.0V, $\pm 5\%$										
METER	Output Current	5A										
	Line Regulation	$\leq 3mV$										
INSULATION	Load Regulation	$\leq 5mV$										
	Ripple & Noise	$1mV_{rms}$ (5Hz~1MHz)										
ENVIRONMENT CONDITION	Voltage Resolution	100mV (*1)										
	Current Resolution	10mA (*1)										
OTHER	Setting Accuracy	Voltage $\pm (0.1\% \text{ of reading} + 30mV)$; Current $\pm (0.3\% \text{ of reading} + 6mA)$										
	Readback Accuracy	Voltage $\pm (0.1\% \text{ of reading} + 30mV)$; Current $\pm (0.3\% \text{ of reading} + 6mA)$										
INSULATION	Chassis and Terminal	20M Ω or above (DC 500V)										
	Chassis and AC Cord	30M Ω or above (DC 500V)										
ENVIRONMENT CONDITION	Operation Temp	0~40°C										
	Storage Temp	-10~70°C										
OTHER	Operating Humidity	$\leq 80\%$ RH										
	Storage Humidity	$\leq 70\%$ RH										
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												

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

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 x 1
- 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

Global Headquarters
GOOD WILL INSTRUMENT CO., LTD.
No.7-1, Jhongsing Road, Tucheng Dist., New Taipei City 236, Taiwan
T +886-2-2268-0389 F +886-2-2268-0639
E-mail: marketing@goodwill.com.tw

China Subsidiary

GOOD WILL INSTRUMENT (SUZHOU) CO., LTD.
No. 521, Zhuijiang Road, Snd, Suzhou Jiangsu 215011 China
T +86-512-6661-7177 F +86-512-6661-7277
E-mail: marketing@instek.com.cn

Malaysia Subsidiary

GOOD WILL INSTRUMENT (SEA) SDN. BHD.
No. 1-3-18, Elit Avenue, Jalan Mayang Pasir 3,
11950 Bayan Baru, Penang, Malaysia
T +604-6111122 F +604-6115225
E-mail: sales@goodwill.com.my

Europe Subsidiary

GOOD WILL INSTRUMENT EURO B.V.
De Run 5427A, 5504DG Veldhoven, THE NETHERLANDS
T +31(0)40-2557790 F +31(0)40-2541194

U.S.A. Subsidiary
INSTEK AMERICA CORP.
5198 Brooks Street Montclair, CA 91763, U.S.A.
T +1-909-399-3535 F +1-909-399-0819
E-mail: sales@instekamerica.com

Japan Subsidiary
TEXIO TECHNOLOGY CORPORATION.
7F Towa Fudosan Shin Yokohama Bldg., 2-18-13 Shin
Yokohama, Kohoku-ku, Yokohama, Kanagawa,
222-0033 Japan
T +81-45-620-2305 F +81-45-534-7181
E-mail: info@texio.co.jp

Korea Subsidiary
GOOD WILL INSTRUMENT KOREA CO., LTD.
Room No.503, Gyeonginro 775 (Mullae-Dong 3Ga,
Ae Hightech-City B/D 1Dong), Yeongdeungpo-Gu,
Seoul 150093, Korea.
T +82-2-3439-2205 F +82-2-3439-2207
E-mail : gwinstek@gwinstek.co.kr

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www.facebook.com/GWInsteak