

Multiple Output Linear D.C. Power Supply



GPE-X323 Series

FEATURES

- 1/2/3/4 Independent Isolated Output
- 4.3 Inch LCD Display
- Setting & Read Back Resolution 10mA/1mA
- 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.

High Resolution

The GPE-X323 series features 10mV/1mA high resolution (for setting and read back). The series outputs a pure and stable power supply. Users can easily simulate small voltage or small current measurements for DUTs that is the area the conventional low resolution linear power supplies can't achieve.



4.3 Inch LCD display provide high resolution for 10mV/1mA

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.



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	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH1	CH2	CH1
OUTPUT MODE	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		-		-	
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 $> 3A$)									
	Ripple & Noise	$\leq 1mV_{rms}$ (5Hz~1MHz)									
	Recovery Time	$\leq 100\mu s$ (50% Load Change, minimum load 0.5A)									
CONSTANT CURRENT OPERATION	Line Regulation	$\leq 0.2\%+3mA$									
	Load Regulation	$\leq 0.2\%+3mA$									
	Ripple & Noise	$\leq 3mArms$									
TRACKING OPERATION (CH1,CH2)	Tracking Error	$\leq 0.1\%+10mV$ of Master(0~32V) No Load , with Load add load regulation $\leq 100mV$)									
	Parallel Regulation	Line : $\leq 0.01\%+3mV$ Load : $\leq 0.01\%+3mV$ (rating current $\leq 3A$); $\leq 0.02\%+5mV$ (rating current $> 3A$)									
	Series Regulation	Line : $\leq 0.01\%+5mV$									
	Ripple & Noise	Load : $\leq 100mV$									
CH3 OPERATION FOR (GPE-3323)	Output Voltage	5.0V, $\pm 5\%$									
	Output Current	5A									
	Line Regulation	$\leq 3mV$									
	Load Regulation	$\leq 5mV$									
	Ripple & Noise	$1mV_{rms}$ (5Hz~1MHz)									
METER	Voltage Resolution	10mV									
	Current Resolution	1mA									
	Setting Accuracy	Voltage $\pm (0.1\%$ of reading +30mV); Current $\pm (0.3\%$ of reading +6mA)									
	Readback Accuracy	Voltage $\pm (0.1\%$ of reading +30mV); Current $\pm (0.3\%$ 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 $^{\circ}C$									
	Storage Temp	-10~70 $^{\circ}C$									
	Operating Humidity	$\leq 80\%$ RH									
	Storage Humidity	$\leq 70\%$ RH									
OTHER	Power Source	AC100V/120V/220V $\pm 10\%$; 230V(+10%~-6%); 50/60Hz									
	Dimensions & Weight	210(W)x 155(H) x 306(D) mm ; Approx. 7kg									

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-104 x 1 ; GTL-105 x 1 ; or European GTL-204A x 1, GTL-203A x 1
 GPE-2323 Test Lead GTL-104 x 2 ; or European GTL-204A x 2,
 GPE-3323 Test Lead GTL-104 x 3 ; or European GTL-204A x 3
 GPE-4323 Test Lead GTL-104 x 2 ; GTL-105 x 2 or European GTL-204A x 2 , GTL-203A x 2

