

GPE-X323 SERIES

Multiple Output D.C Power Supply



GW INSTEK

Made to Measure

固緯電子實業股份有限公司

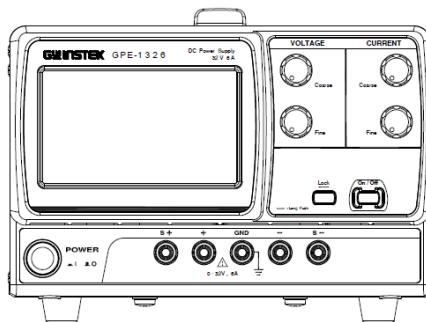
GPE-Series Product Outlook



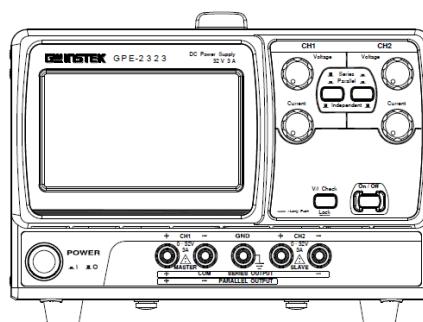
Model Number : GPE -4323

GPE-Series Product Introduction

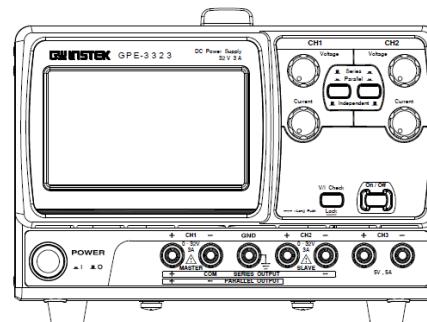
Model Number	Number of Outputs	CH1	CH2	CH3	CH4
GPE-1326	1	0-32V/0-6A	-	-	-
GPE-2323	2	0-32V/0-3A	0-32V/0-3A	-	-
GPE-3323	3	0-32V/0-3A	0-32V/0-3A	1.8V/2.5V/3.3V/5V 5A	-
GPE-4323	4	0-32V/0-3A	0-32V/0-3A	5V/1A	0-15V/0-1A



GPE-1326



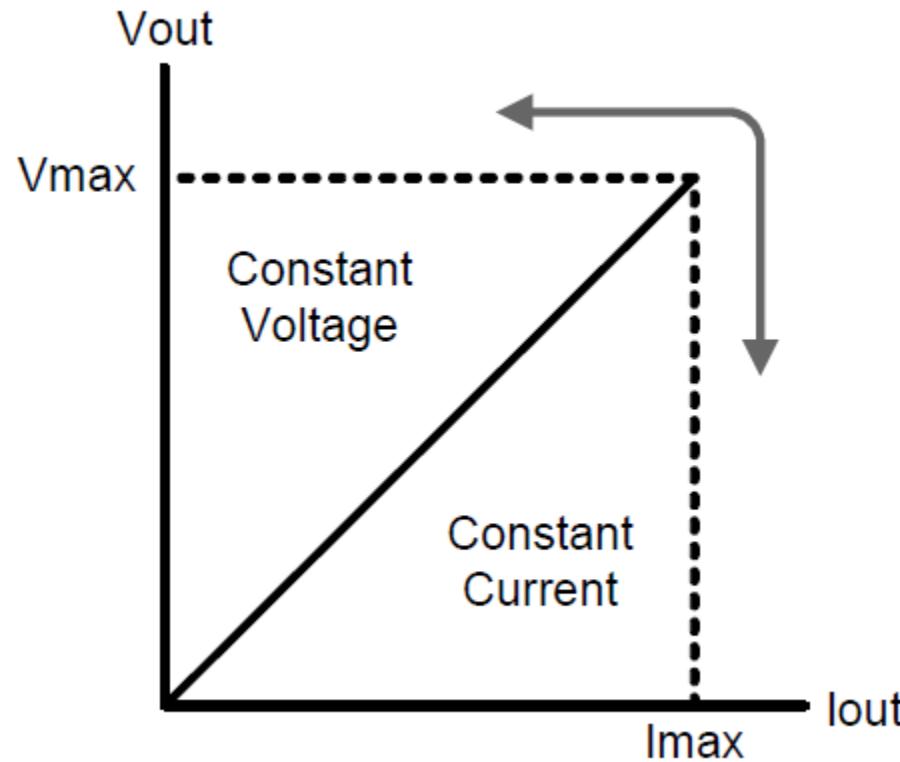
GPE-2323



GPE-3323

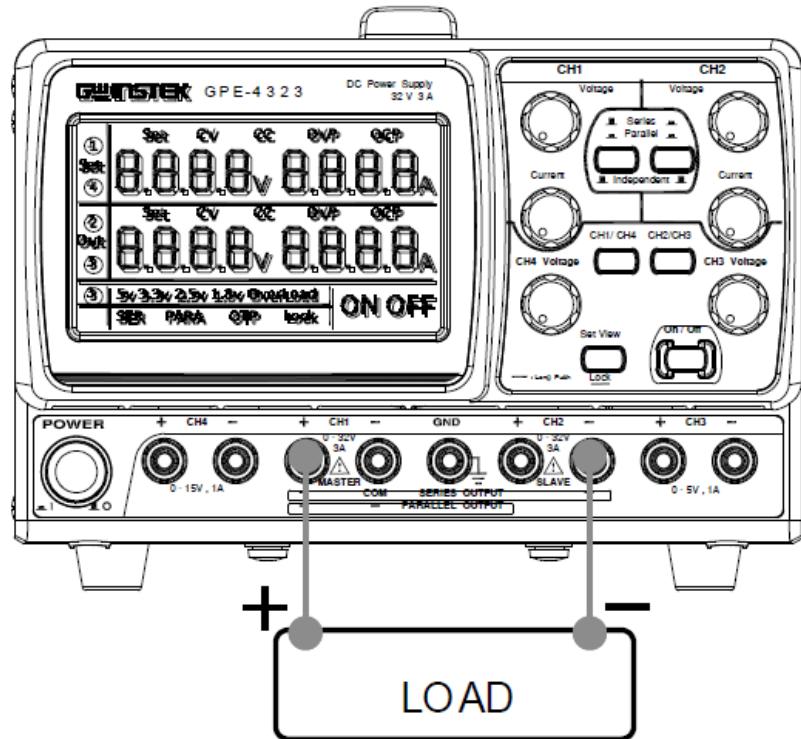
CV / CC Operation

Under the constant voltage (CV) mode, current limit is required to identify its crossover point and voltage limit for the constant current (CC) mode is also required to identify its crossover point. When current exceeds the crossover point, power supply will switch to the CC mode.



Series Operation

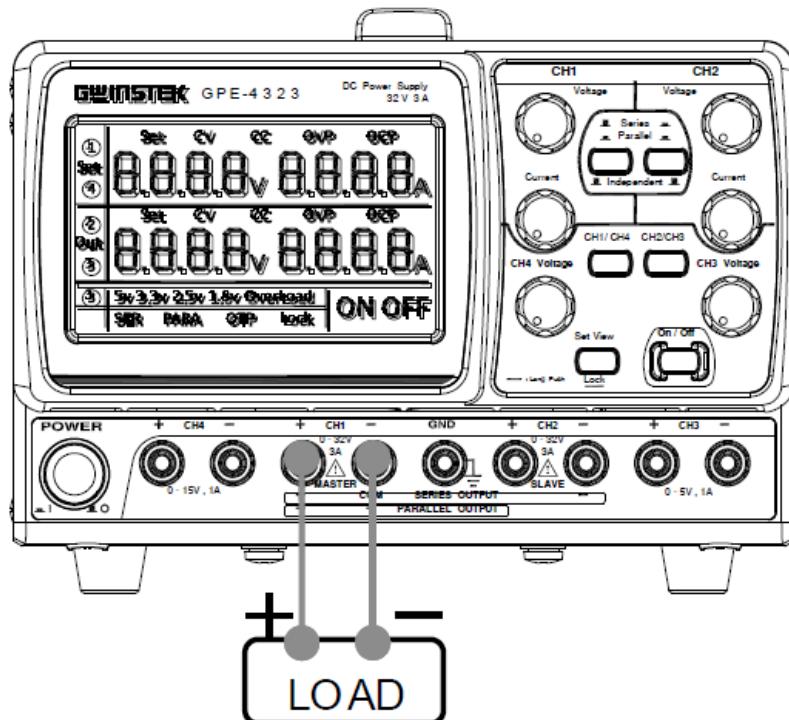
GPE-2323/3323/4323 provides tracking series operation for increasing the output Voltage



CH1	0~32V
CH2	0~3A
CH1/CH2 Series	0~64V/0~3A

Parallel Operation

GPE-2323/3323/4323 provides tracking parallel operation for increasing the output current

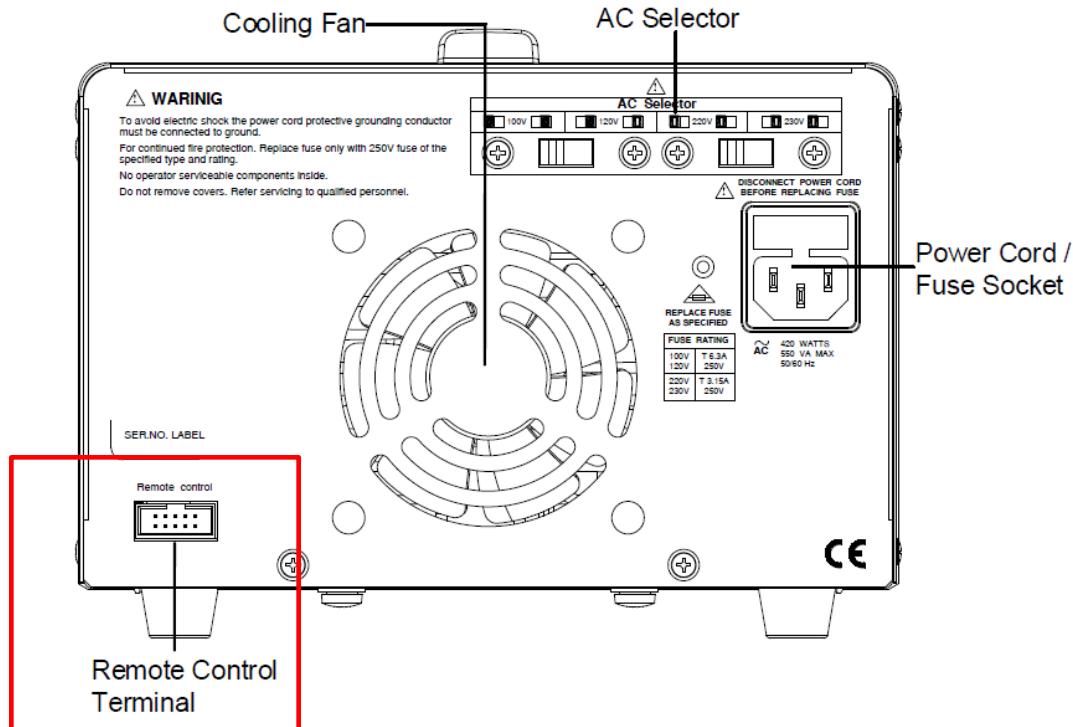


CH1	0~32V
CH2	0~3A
CH1/CH2 Parallel	0~32V/0~6A

Analog Control (External Control)Function

GPE-1323/2323/3323/4323 Built-in remote control interface

1. For Output On / Off Control
2. Please refer the GPE-X323 user manual for the pin assignment in detail.



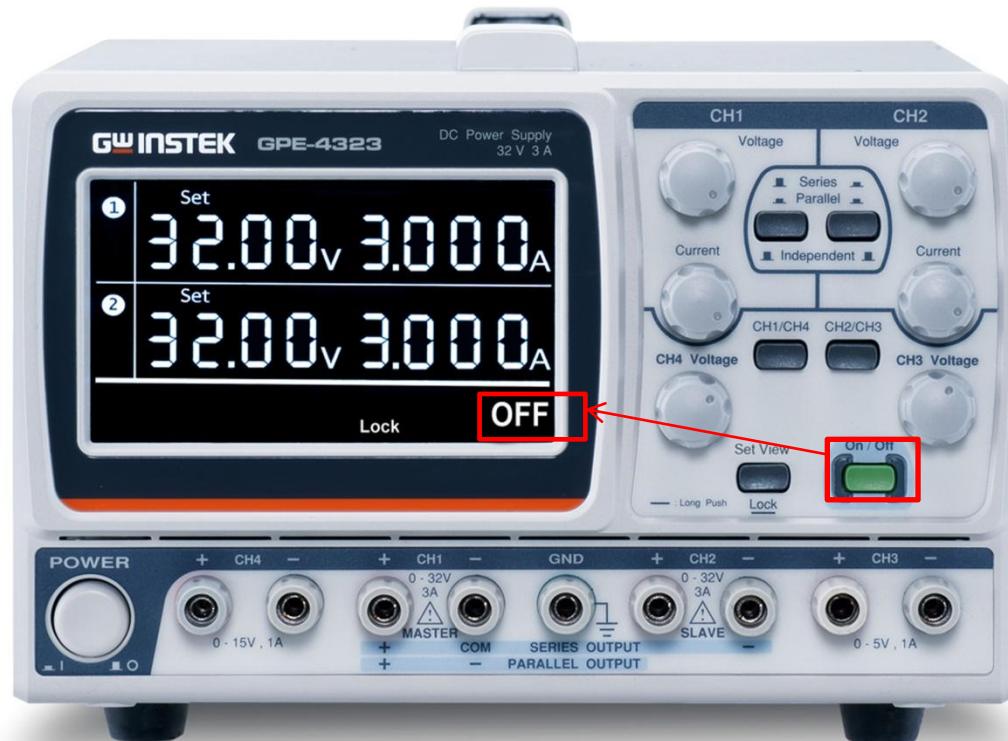
High Resolution

GPE-Series provide 10mV/1mA resolution for voltage / current setting and Readback. This is suitable for testing the LED and mobile devices.



Output On / Off Function

The GPE-X323 series provides the Output On/Off function to prevent DUTs from unnecessary damages caused by the pre-output when connecting a DUT with a power supply.



Set View Function

GPE- Series Built in Voltage and Current check function for checking the original setting when the power supply were turn output On.



Specifications (1/2)

	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	1.8V/2.5V/3.3V/5.0V	0~32V	0~32V	0~32V									
Current	0~3A	0~3A	0~1A	0~1A	0~3A	0~3A	0~5A	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	$\leq 0.01\% + 3mV$																		
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	$\leq 3mA_{rms}$																		
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: $\leq 100mV$																		

Specifications (2/2)

CH3 Operation for (GPE-3323)	
Output Voltage	1.8V/2.5V/3.3V/5.0V, ±5%
Output Current	5A
Line Regulation	≤3mV
Load Regulation	≤5mV
Ripple & Noise	1mVrms(5Hz~1MHz)
Meter	
Voltage Resolution	10mV
Current Resolution	1mA
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°C
Storage Temp	-10~70°C
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

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