

## GPE-3060/6030

### Triple-Channel DC Power Supply



## FEATURES

- \* 1/2/3 Independent Isolated Output Channels
- \* GPE-3060 Provides CH1/CH2: 0 ~ 30V/0~ 6A Output; CH3 Supports 1.8V, 2.5V, 3.3V, 5.0V at 5A
- \* GPE-6030 Supports CH1/CH2: 0 ~ 60V/0~ A Output; CH3 Supports 1.8V, 2.5V, 3.3V, 5.0V at 5A
- \* Series/Parallel Tracking Function
- \* High Program Resolution of 10mV/1mA and Measurement Resolution of 30mV/10mA
- \* Output On/Off Function
- \* Simple Analog Control Interface
- \* Multiple Protection Apparatuses Such as Overvoltage and Overload Protection Functions

## APPLICATIONS

- \* Scientific Research and Experimental Testing
- \* Electronic Parts Test
- \* 3C Electronic Product Test

The GPE-3060/6030 are high-resolution linear DC power supplies. Their primary aim is to replace the existing GPC-3060D/6030D models. The GPE-3060/6030 deliver 385 watts of output power and feature three independent isolated output channels. The GPE-3060 offers CH1/CH2 outputs of 0 to 30V and 0 to 6A, while the GPE-6030 supports CH1/CH2 outputs of 0 to 60V and 0 to 3A. Both models feature CH3 outputs of 1.8V, 2.5V, 3.3V, and 5.0V at 5A.

### Series/Parallel Operation Function

In addition to the independent output between each channel, GPE-3060/6030 can perform series/parallel automatic connection tracking function. Through the parallel or series function, the output of the power supply can be controlled at 30V/12A (parallel) (GPE-3060) or 120V/3A (series) (GPE-6030) and this function can be used on CH1/CH2.

With respect to high program resolution, GPE-3060 provides 10mV/2mA and GPE-6030 offers 20mV/1mA. GPE-3060/6030 adopts a new hybrid power supply design, which can save 13% of power consumption compared with the wattage of the conventional linear power supplies, and the volume and weight are significantly reduced.



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## SPECIFICATIONS

		GPE-3060 / GPE-6030	
		CH1&CH2	CH3
Output	Voltage	0~30.00V*2 / 0~60.00V*2	1.8V/2.5V/3.3V/5V,±5%
	Current	0~6.000A*2 / 0~3.000A*2	5A
	Voltage/Current ( MAX )	32V, 6.2A / 62V, 3.2A	
Load Regulation	Voltage	≤0.01%+5mV	≤5mV
	Current	≤0.01%+3mA	≤0.2% + 3mA
Line Regulation	Voltage	≤0.01%+3mV	≤3mV
	Current	≤0.01%+3mA	≤0.2% + 3mA
Ripple & Noise	Constant Voltage	≤1mVrms(5Hz-1MHz)	≤1mVrms(5Hz-1MHz)
	Constant Current	≤2mArms	≤2mArms
Setting Accuracy	Voltage Resolution	10mV	--
	Voltage Accuracy	± (0.1% + 30mV) (4digits)	
	Current Resolution	1mA	
	Current Accuracy	± (0.3% + 6mA) (4digits)	
Readback Accuracy	Voltage Resolution	10mV / 20mV	--
	Voltage Accuracy	± (0.1% + 30mV) (4digits)	
	Current Resolution	2mA / 1mA	
	Current Accuracy	± (0.3% + 6mA) (4digits)	
Recovery Time		≤100us	≤100us
Tracking Operation	SER. Regulation	Tracking error:	--
		Line : ≤ 0.01% + 5mV	
		Load : ≤ 200mV	
	PAR. Regulation	Line : ≤ 0.01% + 3mV	
		Load : ≤ 0.01% + 5mV	
OVP	Ripple & Noise	≤2mVrms(5Hz-1MHz)	
	Voltage	OFF, ON (0.5V~35.0V) (GPE-3060)	5.5V(5V), 3.8V(3.3V), 3V(2.5V),
	Resolution	0.5V	--
	Setting Accuracy	≤1V	
Protection	OVP	●	
Features	Display	4.3" monochrome LCD	
	Inter-channel Isolation	●	
	Independent Output	●	
	Key Lock	●	
	Intelligent Cooling Fan	●	
	Power ON/OFF State Setting	●	
	EXT I/O Control	●	
Dimensions & Weight		210 (W) x 155 (H) x 362 (D) mm, 10kg	
Power	Consumption	680W	
	AC Input	100V/120V/220V/230Vac±10%, 50/60Hz	

Specifications subject to change without notice. GPE-60303060\_E\_ID1DH

## ORDERING INFORMATION

- GPE-3060** 3-channel, 385W linear DC Power Supply
- GPE-3060** 3-channel, 385W linear DC Power Supply (European type)
- GPE-6030** 3-channel, 385W linear DC Power Supply
- GPE-6030** 3-channel, 385W linear DC Power Supply (European type)

## ACCESSORIES

- Quick Start Manual, Power Cord
- Test Lead: GTL-104A x 3
- European Test Leads: GTL-204A x 3, GTL-201A x 1

## 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

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