

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
- * Setting/Read back Resolution :
Voltage (4digits) : 10mV (GPE-3060) / 20mV (GPE-6030)
Current (4digits) : 2mA (GPE-3060) / 1mA (GPE-6030)
- * Output On/Off Function
- * Simple Analog Control Interface
- * Multiple Protection Apparatuses Such as Overvoltage and Overload Protection Functions

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.



APPLICATIONS

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



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SPECIFICATIONS

Model		GPE-3060 / GPE-6030	
Channel		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 ≤0.02%+5mV (≥10A)	≤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) ± (0.1% + 200mV) (3digits)	
	Current Resolution	1mA	
	Current Accuracy	± (0.3% + 6mA) (4digits) ± (0.3% + 20mA) (3digits)	
Readback Accuracy	Voltage Resolution	10mV / 20mV	--
	Voltage Accuracy	± (0.1% + 30mV) (4digits) ± (0.1% + 200mV) (3digits)	
	Current Resolution	2mA / 1mA	
	Current Accuracy	± (0.3% + 6mA) (4digits) ± (0.3% + 20mA) (3digits)	
Recovery Time		≤100us	≤100us
Tracking Operation	SER. Regulation	Tracking error: ≤0.1% +10mV of Master (GPE-3060) ≤0.2% +20mV of Master (GPE-6030) No Load, with load add load regulation ≤200mV	--
		Line : ≤ 0.01% + 5mV	
		Load : ≤ 200mV	
	PAR. Regulation	Line : ≤ 0.01% + 3mV	
		Load : ≤ 0.01% + 5mV	
	Ripple & Noise	≤2mVrms(5Hz-1MHz)	
OVP	Voltage	OFF,ON(0.5V~35.0V) (GPE-3060) OFF,ON(0.5V~65.0V) (GPE-6030)	5.5V(5V), 3.8V(3.3V), 3V(2.5V), 2.3V(1.8V)
	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

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