

# D.C. Power Supply

Patent No: 81011



## FEATURES

- \* Triple Output
- \* Auto Tracking
- \* Auto Series and Parallel Operation
- \* Constant Voltage and Constant Current Operation
- \* Low Ripple and Noise
- \* Two Digital Panel Meters
- \* Internal Select for Continuous or Dynamic Load
- \* Overload and Reverse Polarity Protection
- \* 5V, 3A Fixed Output

## GPC-6030D/3060D

### SPECIFICATIONS

#### OPERATION MODE

<b>Independent</b>	Two independent outputs and 5V fixed output Output from 0 to rating volts and 0 to rating amperes
<b>Series</b>	Output from 0 to $\pm$ rating volts at rating amperes each
<b>Parallel</b>	Output from 0 to double rating volts at rating amperes Output from 0 to double rating amperes at rating volts

#### 5V FIXED OUTPUT

<b>Regulation</b>	Line regulation $\leq 5\text{mV}$ Load regulation $\leq 10\text{mV}$
<b>Ripple &amp; Noise</b>	$\leq 2\text{mVrms}$
<b>Voltage Accuracy</b>	$5\text{V} \pm 0.25\text{V}$
<b>Output Current</b>	3A

#### TRACKING OPERATION

<b>Tracking Error</b>	$\leq 0.5\% + 10\text{mV}$ of the master
<b>Series Regulation</b>	$\leq 300\text{mV}$

#### CONSTANT VOLTAGE OPERATION

<b>Regulation</b>	Line regulation $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 5\text{mV}$ (rating current $< 10\text{A}$ ) $\leq 0.02\% + 5\text{mV}$ (rating current $\geq 10\text{A}$ )
<b>Ripple &amp; Noise</b>	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
<b>Recovery Time</b>	$\leq 100\mu\text{s}$ ( 50% Load change, Minimum load 0.5A )

#### CONSTANT CURRENT OPERATION

<b>Regulation</b>	Line regulation $\leq 0.2\% + 3\text{mA}$ Load regulation $\leq 0.2\% + 3\text{mA}$
<b>Ripple Current</b>	$\leq 3\text{mA rms}$

#### METER

<b>Digital</b>	3 1/2 digits 0.5" LED display Accuracy $\pm ( 0.5\% \text{ of rdg} + 2 \text{ digits} )$
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#### INSULATION

<b>Chassis and Terminal</b>	100M $\Omega$ or above ( DC 1000V )
<b>Chassis and AC Cord</b>	100M $\Omega$ or above ( DC 1000V )

#### POWER SOURCE

AC 100V/120V/220V/240V  $\pm 10\%$ , 50/60Hz

### ACCESSORIES

Instruction manual x 1 , Power cord x 1  
Test lead GTL-105 x 1 (  $\leq 3\text{A}$  ) , GTL-104 x 2 (  $\leq 10\text{A}$  )

### DIMENSIONS

255(W) x 145(H) x 420(D) mm

### ORDERING INFORMATION

	Model	Independent	Series	Parallel	Weight (kg)
GPC-6030D	375W D.C. Power Supply	( 0 ~ 60V/0 ~ 3A ) x 2 , ( 5V/3A MAX ) x 1	120V 3A	60V 6A	18.5
GPC-3060D	375W D.C. Power Supply	( 0 ~ 30V/0 ~ 6A ) x 2 , ( 5V/3A MAX ) x 1	60V 6A	30V 12A	18.5