

# Triple Output Linear D.C. Power Supply



## GPC-3060D/6030D

### FEATURES

- \* Triple Output
- \* Auto Tracking
- \* Auto Series and Parallel Operation
- \* Constant Voltage and Constant Current Operation
- \* Low Ripple and Noise
- \* Internal Select for Continuous or Dynamic Load
- \* Overload and Reverse Polarity Protection
- \* 3 1/2 Digits 0.5" LED Display
- \* 5V, 3A Fixed Output

The GPC-Series is triple output, 375W, linear DC power supplies. Channel 1 and 2 are fully adjustable (model dependant) and channel 3 is fixed at 5V/3A with ripple and noise at less than 2mVrms. Overload and reverse polarity protection keep GPC-Series and its loads safe from unexpected conditions. GPC features continuous or dynamic internal load selection and series or parallel tracking for application flexibility. The GPC-Series is an ideal solution for inexpensive bench-top applications requiring low noise and multiple outputs.

### SPECIFICATIONS

OPERATION MODE	
Independent	Two independent outputs and 5V fixed output Output from 0 to rating volts and 0 to rating amperes
Series	Output from 0 to $\pm$ rating volts at rating amperes each Output from 0 to double rating volts at rating amperes
Parallel	Output from 0 to double rating amperes at rating volts
CONSTANT VOLTAGE OPERATION	
Regulation	Line regulation $\leq 0.01\% + 3mV$ Load regulation $\leq 0.01\% + 3mV$ (rating current $\leq 3A$ ) $\leq 0.01\% + 5mV$ (rating current $\leq 10A$ ) $\leq 0.02\% + 5mV$ (rating current $\geq 10A$ )
Ripple & Noise	$\leq 1mV_{rms}$ 5Hz ~ 1MHz
Recovery Time	$\leq 100\mu S$ ( 50% Load change, Minimum load 0.5A )
CONSTANT CURRENT OPERATION	
Regulation	Line regulation $\leq 0.2\% + 3mA$ Load regulation $\leq 0.2\% + 5mA$
Ripple Current	$\leq 3mA_{rms}$
5V FIXED OUTPUT	
Regulation	Line regulation $\leq 5mV$ Load regulation $\leq 10mV$
Ripple & Noise	$\leq 2mV_{rms}$
Voltage Accuracy	$5V \pm 0.25V$
Output Current	3A
TRACKING OPERATION	
Tracking Error	$\leq 0.5\% + 10mV$ of the master
Series Regulation	$\leq 300mV$
METER	
Digital	3 1/2 digits 0.5" LED display Accuracy $\pm ( 0.5\% \text{ of rdg} + 2 \text{ digits} )$
INSULATION	
Chassis and Terminal	100M $\Omega$ or above ( DC 1000V )
Chassis and AC Cord	100M $\Omega$ or above ( DC 1000V )
POWER SOURCE	
AC 100V/120V/220V/240V $\pm 10\%$ , 50/60Hz	
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

#### ACCESSORIES :

User manual x 1 , Power cord x 1  
Test lead GTL-105A x 1 ( $\leq 3A$ ) or GTL-104A x 2 ( $\leq 10A$ )

#### OPTIONAL ACCESSORIES

GRA-401 Rack Mount Kit