

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

Independent	Two independent outputs and 5V fixed output
Series	Output from 0 to rating volts and 0 to rating amperes
Parallel	Output from 0 to double rating volts at rating amperes each

5V FIXED OUTPUT

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

TRACKING OPERATION

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

CONSTANT VOLTAGE OPERATION

Regulation	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 $\geq 10\text{A}$)
Ripple & Noise	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
Recovery Time	$\leq 100\mu\text{s}$ (50% Load change, Minimum load 0.5A)

CONSTANT CURRENT OPERATION

Regulation	Line regulation $\leq 0.2\% + 3\text{mA}$ Load regulation $\leq 0.2\% + 3\text{mA}$
Ripple Current	$\leq 3\text{mA}_{\text{rms}}$

METER

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

Chassis and Terminal	100M Ω or above (DC 1000V)
Chassis and AC Cord	100M Ω 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