

D.C. POWER SUPPLY



GPC-3030D (DIGITAL)

- 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_i@
- Overload and Reverse Polarity Protection
- 3 1/2 Digits 0.5" LED Display
- 5V, 3A Fixed Output



GPC-3030DQ (DIGITAL)

- Four Digital Panel Meter
- 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 0.39" LED Display
- 5V, 3A Fixed Output

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

OPERATION	Series Regulation	$\leq 300\text{mV}$
CONSTANT VOLTAGE OPERATION	Regulation	Line regulation $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$) $\leq 0.02\% + 5\text{mV}$ (rating current $\leq 10\text{A}$)
	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 3 1/2 digits 0.39" LED display (for GPC-3030DQ) Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$
INSULATION	Chassis and Terminal	20Mohm[or above (DC 500V)
	Chassis and AC Cord	30Mohm[or above (DC 500V)
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 3 ($\leq 3\text{A}$) or GTL-104 x 3 ($\leq 10\text{A}$)	
DIMENSIONS	255(W) x 145(H) x 335(D) mm	

SELECTION GUIDE

	Model	Independent	Series	Parallel
Digital	GPC-1850D	0 ~ 18V x 2 0 ~ 5A x 2	36V 5A	18V 10A
	GPC-3020D	0 ~ 30V x 2 0 ~ 2A x 2	60V 2A	30V 4A
	GPC-3030D	0 ~ 30V x 2 0 ~ 3A x 2	60V 3A	30V 6A
	GPC-3030DQ	0 ~ 30V x 2 0 ~ 3A x 2	60V 3A	30V 6A



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