

## D.C. Power Supply

C1



**GPC-1850D/3020D/3030D**



**GPC-3030DQ**

### FEATURES

- \* Four Digital Panel Meters (GPC-3030DQ)
- \* 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
- \* Rotation Speed of the Fan is Controlled by Heatsink Temperature (Only European Specification)(GPC-3030DQ)
- \* 3 1/2 Digits 0.39" LED Display(GPC-3030DQ)
- \* 3 1/2 Digits 0.5" LED Display(GPC-1850D/3020D/3030D)
- \* 5V, 3A Fixed Output

### 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 $\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$ ) $\leq 0.02\% + 5\text{mV}$ (rating current $\leq 10\text{A}$ )
<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>	$\leq 3\text{mA}_{\text{rms}}$

#### METER

<b>Digital</b>	3 1/2 digits 0.5" LED display 3 1/2 digits 0.39" LED display (for GPC-3030DQ) Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$
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#### INSULATION

<b>Chassis and Terminal</b>	20M $\Omega$ or above ( DC 500V )
<b>Chassis and AC Cord</b>	30M $\Omega$ or above ( DC 500V )

#### POWER SOURCE

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

Instruction manual x 1 , Power cord x 1
Test lead GTL-105 x 1 ( $\leq 3\text{A}$ ) , GTL-104 x 2 ( $\leq 10\text{A}$ )
European test lead GTL-203 x 1, GTL-204 x 2

#### DIMENSIONS

255(W) x 145(H) x 346(D) mm
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### ORDERING INFORMATION

Model	Independent	Series	Parallel	Weight (kg)
GPC-1850D 195W D.C. Power Supply	(0 ~ 18V/0 ~ 5A) x 2 , (5V/3A MAX) x 1	36V 5A	18V 10A	11.5
GPC-3020D 135W D.C. Power Supply	(0 ~ 30V/0 ~ 2A) x 2 , (5V/3A MAX) x 1	60V 2A	30V 4A	11.5
GPC-3030D 195W D.C. Power Supply	(0 ~ 30V/0 ~ 3A) x 2 , (5V/3A MAX) x 1	60V 3A	30V 6A	11.5
GPC-3030DQ 195W D.C. Power Supply	(0 ~ 30V/0 ~ 3A) x 2 , (5V/3A MAX) x 1	60V 3A	30V 6A	11.5