

D.C. Power Supply



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	
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
Parallel	Output from 0 to double rating volts at rating amperes 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 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 $\leq 0.01\% + 3\text{mV}$ (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	$\leq 3\text{mA rms}$
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% of rdg + 2 digits)

INSULATION

Chassis and Terminal 20M Ω or above (DC 500V)
Chassis and AC Cord 30M Ω 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 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

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