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# 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<br>Output from 0 to rating volts and 0 to rating amperes |
| **Series** | Output from 0 to ±rating volts at rating amperes each<br>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≤5mV<br>Load regulation≤10mV |
| **Ripple & Noise** | ≤2mVrms |
| **Voltage Accuracy** | 5V±0.25V |
| **Output Current** | 3A |

**TRACKING OPERATION**

| | |
|---|---|
| **Tracking Error** | ≤0.5% + 10mV of the master |
| **Series Regulation** | ≤300mV |

**CONSTANT VOLTAGE OPERATION**

| | |
|---|---|
| **Regulation** | Line regulation ≤0.01% + 3mV<br>Load regulation≤ 0.01% + 3mV (rating current≤3A)<br>≤ 0.02% + 5mV (rating current≤10A) |
| **Ripple & Noise** | ≤1mVrms 5Hz ~ 1MHz |
| **Recovery Time** | ≤100μS ( 50% Load change, Minimum load 0.5A ) |

**CONSTANT CURRENT OPERATION**

| | |
|---|---|
| **Regulation** | Line regulation≤0.2% + 3mA<br>Load regulation≤0.2% + 3mA |
| **Ripple Current** | ≤3mArms |

**METER**

| | |
|---|---|
| **Digital** | 3½digits 0.5" LED display<br>3½digits 0.39" LED display (for GPC-3030DQ)<br>Accuracy±( 0.5% of rdg + 2 digits ) |

**INSULATION**

| | |
|---|---|
| **Chassis and Terminal** | 20MΩ or above ( DC 500V ) |
| **Chassis and AC Cord** | 30MΩ or above ( DC 500V ) |

**POWER SOURCE**

AC 100V/120V/220V/240V ±10%, 50/60Hz

**ACCESSORIES**

Instruction manual x 1 , Power cord x 1
Test lead GTL-105 x 1 ( ≤3A ) , GTL-104 x 2 ( ≤10A )
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 |

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