

# LINEAR D.C. POWER SUPPLY



The GPR-U Series is single output, 500 to 900W, linear DC power supply. Overload and reverse polarity protection, in addition to standard OVP/OCP/OTP, protect GPR and loads from unexpected conditions. High regulation and low ripple/noise are maintained at 0.01% and less than 2mVrms, respectively. Special order with custom output configuration is available within 8 to 1000V, 0.5 to 75A, under 1kVA. The GPR-U Series is the ideal lineup for system applications requiring large output capacity and custom-made output settings, such as materials and products aging.

## GPR-U Series



Patent No: 81011  
Rear-Panel Output for GPR-1850HD/3520HD/6015HD

## FEATURES

- \* 0.01% High Regulation
- \* Constant Voltage and Constant Current Operation
- \* Low Ripple and Noise
- \* Overload and Reverse Polarity Protection
- \* 3 1/2 Digits 0.5" LED Display
- \* Application for Material and Products Aging
- \* Built-In Overvoltage and Overcurrent Tripped Crowbar
- \* Ten-Turn Potentiometer

| SPECIFICATIONS  |  |
|---|--|
| <b>CONSTANT VOLTAGE OPERATION</b>                         |  |
| <b>Regulation</b>   | Line regulation $\leq 0.01\% + 3mV$<br>Load regulation $\leq 0.01\% + 5mV (<10A)$<br>$\leq 0.02\% + 5mV$ rating ( $\geq 10A$ ) |
| <b>Ripple &amp; Noise</b>                                 | $\leq 2mVrms$ 5Hz ~ 1MHz   |
| <b>Recovery Time</b>                                      | $\leq 100\mu S$ (50% Load change, Minimum load 0.5A)   |
| <b>Output Range</b>                                       | 0 to rating voltage continuously adjustable  |
| <b>CONSTANT CURRENT OPERATION</b>                         |  |
| <b>Regulation</b>   | Line regulation $\leq 0.2\% + 3mA$<br>Load regulation $\leq 0.2\% + 3mA$   |
| <b>Ripple Current</b>                                     | $\leq 5mA$ ( $\leq 20A$ ), $\leq 20mA$ ( $\leq 50A$ )<br>$\leq 100mA$ ( $\leq 100A$ )  |
| <b>Output Range</b>                                       | 0 to rating amperes continuously adjustable  |
| <b>METER</b>  |  |
| <b>Digital</b>  | 3 1/2 Digits 0.5" LED display<br>Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$                                      |
| <b>INSULATION</b>   |  |
| <b>Chassis and Terminal</b>                               | 100M $\Omega$ or above (DC 1000V)  |
| <b>Chassis and AC Cord</b>                                | 100M $\Omega$ or above (DC 1000V)  |
| <b>POWER SOURCE</b>                                       |  |
| AC 120V $\pm 10\%$ , 50/60Hz (AC220V, or 240V order made) |  |
| <b>DIMENSIONS</b>   |  |
| 430(W) x 178(H) x 572(D) mm                               |  |

## Rear Panel



GPR-6015HD



GPR-25H30D

| ORDERING INFORMATION  |                    |                        |                 |             |      |
|---|--------------------|------------------------|-----------------|-------------|------|
|   | Model              | Output Volts (V)       | Output Amps (A) | Weight (kg) |      |
|   | <b>GPR-1850HD</b>  | 900W D.C. Power Supply | 0 ~ 18          | 0 ~ 50      | 30   |
|   | <b>GPR-3520HD</b>  | 700W D.C. Power Supply | 0 ~ 35          | 0 ~ 20      | 29.5 |
|   | <b>GPR-6015HD</b>  | 900W D.C. Power Supply | 0 ~ 60          | 0 ~ 15      | 30   |
|   | <b>GPR-7510HD</b>  | 750W D.C. Power Supply | 0 ~ 75          | 0 ~ 10      | 29.5 |
|   | <b>GPR-16H50D</b>  | 800W D.C. Power Supply | 0 ~ 160         | 0 ~ 5       | 30.5 |
|   | <b>GPR-25H30D</b>  | 750W D.C. Power Supply | 0 ~ 250         | 0 ~ 3       | 29.5 |
|   | <b>GPR-35H20D</b>  | 700W D.C. Power Supply | 0 ~ 350         | 0 ~ 2       | 29.5 |
|   | <b>GPR-50H15D</b>  | 750W D.C. Power Supply | 0 ~ 500         | 0 ~ 1.5     | 29.5 |
|   | <b>GPR-60H15D</b>  | 800W D.C. Power Supply | 0 ~ 600         | 0 ~ 1.5     | 30.5 |
|   | <b>GPR-100H05D</b> | 500W D.C. Power Supply | 0 ~ 1000        | 0 ~ 0.5     | 28.5 |
| <b>ACCESSORIES :</b>  |                    |                        |                 |             |      |
| User manual x 1   |                    |                        |                 |             |      |
| Test lead GTL-105 x 1 ( $\leq 3A$ ) or GTL-104 x 1 ( $\leq 10A$ ) or Not Available ( $> 10A$ or 600V) |                    |                        |                 |             |      |

NOTE: Welcome special order from 8 volts to 1000 volts and 0.5 Amps to 75 Amps under 1kVA available.