



GPR-U Series



Patent No: 81011

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

Rear Panel



GPR-6015HD



GPR-25H30D

The GPR-U Series are single output, 500 to 900W, linear DC power supplies. Overload and reverse polarity protection in addition to OVP/OC/OTP protect the GPR-U Series and their load from unexpected conditions. High regulation and low ripple/noise are maintained at 0.01% and < 2mVrms, respectively for CV mode. The GPR-U series can be ordered with a customized output requirement from voltage rating from 8 to 1000V and current rating from 0.5~75A (under 1kVA available). The GPR-U Series are the ideal lineup for system applications requiring large output capacity and custom-made output settings, such as material testing and product copper plating.

SPECIFICATIONS

CONSTANT VOLTAGE OPERATION

Regulation	Line regulation $\leq 0.01\% + 3mV$ Load regulation $\leq 0.01\% + 5mV (<10A)$ $\leq 0.02\% + 5mV (\geq 10A)$
Ripple & Noise	$\leq 2mVrms (5Hz \sim 1MHz)$
Recovery Time	$\leq 100\mu S (50\% \text{ Load change, Minimum load } 0.5A)$
Output Range	0 to rating voltage continuously adjustable

CONSTANT CURRENT OPERATION

Regulation	Line regulation $\leq 0.2\% + 3mA$ Load regulation $\leq 0.2\% + 3mA$
Ripple Current	$\leq 5mArms (\leq 20A), \leq 20mArms (\leq 50A)$ $\leq 100mArms (\leq 100A)$
Output Range	0 to rating current continuously adjustable

METER

Type	3 1/2 Digits 0.5" LED display
Accuracy	$\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$

INSULATION

Chassis and Terminal	$100M\Omega$ or above (DC 1000V)
Chassis and AC Cord	$100M\Omega$ or above (DC 1000V)

POWER SOURCE

AC 120V $\pm 10\%$, 50/60Hz (AC220V or 240V order made)

DIMENSIONS

430(W) x 178(H) x 572(D) mm

ORDERING INFORMATION

Model	Output Volts (V)	Output Amps (A)	Weight (kg)
GPR-1850HD	0 ~ 18	0 ~ 50	30
GPR-3520HD	0 ~ 35	0 ~ 20	29.5
GPR-6015HD	0 ~ 60	0 ~ 15	30
GPR-7510HD	0 ~ 75	0 ~ 10	29.5
GPR-16H50D	0 ~ 160	0 ~ 5	30.5
GPR-25H30D	0 ~ 250	0 ~ 3	29.5
GPR-35H20D	0 ~ 350	0 ~ 2	29.5
GPR-50H15D	0 ~ 500	0 ~ 1.5	29.5
GPR-60H15D	0 ~ 600	0 ~ 1.5	30.5
GPR-100H05D	0 ~ 1000	0 ~ 0.5	28.5

ACCESSORIES :

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: Special order 8 volts to 1000 volts and 0.5 Amps to 75 Amps under 1kVA available.

Rear-Panel Output for GPR-1850HD/3520HD/6015HD