

# Linear D.C. Power Supply



The GPR-U Series are single output, 500 to 900W, linear DC power supplies. Overload and reverse polarity protection in addition to OVP/OCP/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.

## GPR-U Series

Rear-Panel Output

### 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>	
Regulation	Line regulation $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 5\text{mV} (<10\text{A})$ $\leq 0.02\% + 5\text{mV} (\geq 10\text{A})$
Ripple & Noise	$\leq 2\text{mVrms}$ (5Hz ~ 1MHz)
Recovery Time	$\leq 100\mu\text{S}$ (50% Load change, Minimum load 0.5A)
Output Range	0 to rating voltage continuously adjustable
<b>CONSTANT CURRENT OPERATION</b>	
Regulation	Line regulation $\leq 0.2\% + 3\text{mA}$ Load regulation $\leq 0.2\% + 3\text{mA}$
Ripple Current	$\leq 5\text{mA}_{\text{rms}}$ ( $\leq 20\text{A}$ ), $\leq 20\text{mA}_{\text{rms}}$ ( $\leq 50\text{A}$ ) $\leq 100\text{mA}_{\text{rms}}$ ( $\leq 100\text{A}$ )
Output Range	0 to rating current continuously adjustable
<b>METER</b>	
Type	3 1/2 Digits 0.5" LED display
Accuracy	$\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$
<b>INSULATION</b>	
Chassis and Terminal	$100\text{M}\Omega$ or above (DC 1000V)
Chassis and AC Cord	$100\text{M}\Omega$ 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)	
	GPR-1850HD	900W D.C. Power Supply	0 ~ 18	0 ~ 50	30
	GPR-3520HD	700W D.C. Power Supply	0 ~ 35	0 ~ 20	29.5
	GPR-6015HD	900W D.C. Power Supply	0 ~ 60	0 ~ 15	30
	GPR-7510HD	750W D.C. Power Supply	0 ~ 75	0 ~ 10	29.5
	GPR-16H50D	800W D.C. Power Supply	0 ~ 160	0 ~ 5	30.5
	GPR-25H30D	750W D.C. Power Supply	0 ~ 250	0 ~ 3	29.5
	GPR-35H20D	700W D.C. Power Supply	0 ~ 350	0 ~ 2	29.5
	GPR-50H15D	750W D.C. Power Supply	0 ~ 500	0 ~ 1.5	29.5
	GPR-60H15D	800W D.C. Power Supply	0 ~ 600	0 ~ 1.5	30.5
	GPR-100H05D	500W D.C. Power Supply	0 ~ 1000	0 ~ 0.5	28.5
ACCESSORIES :					
User manual x 1					
Test lead GTL-105A x 1 ( $\leq 3\text{A}$ ) or GTL-104A x 1 ( $\leq 10\text{A}$ ) or Not Available ( $> 10\text{A}$ 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