

Linear D.C. Power Supply



The GPR-U Series is single output, 500W 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 8W to 1000V and current rating from 0.5-75A (under 1kVA available). The GPR-U Series is 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



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	
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 - 1MHz)
Recovery Time	$\leq 100\mu S$ (50% 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	$\leq 5mA$ Arms ($\leq 20A$), $\leq 20mA$ Arms ($\leq 50A$) $\leq 100mA$ Arms ($\leq 100A$)
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 Chassis and AC Cord	100M Ω or above (DC 1000V) 100M Ω 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)	Rack Size	External Remote I/O
GPR-1850HD	900W D.C. Power Supply	0 - 18	0 - 50	30	19" Full Rack	-
GPR-3520HD	700W D.C. Power Supply	0 - 35	0 - 20	29.5	19" Full Rack	-
GPR-6015HD	900W D.C. Power Supply	0 - 60	0 - 15	30	19" Full Rack	-
GPR-7510HD	750W D.C. Power Supply	0 - 75	0 - 10	29.5	19" Full Rack	-
GPR-16H50D	800W D.C. Power Supply	0 - 160	0 - 5	30.5	19" Full Rack	-
GPR-25H30D	750W D.C. Power Supply	0 - 250	0 - 3	29.5	19" Full Rack	-
GPR-35H20D	700W D.C. Power Supply	0 - 350	0 - 2	29.5	19" Full Rack	-
GPR-50H15D	750W D.C. Power Supply	0 - 500	0 - 1.5	29.5	19" Full Rack	-
GPR-60H15D	900W D.C. Power Supply	0 - 600	0 - 1.5	30.5	19" Full Rack	-
GPR-100H05D	500W D.C. Power Supply	0 - 1000	0 - 0.5	28.5	19" Full Rack	-
GPR-3520HDA	700W D.C. Power Supply	0-35V	0-20	29.5	19" 1/2 Half Rack	-
GPR-6015HDA	900W D.C. Power Supply	0-60V	0-15	30	19" 1/2 Half Rack	-
GPR-7510HDA	750W D.C. Power Supply	0-75V	0-10	29.5	19" 1/2 Half Rack	-
GPR-16H50DA	800W D.C. Power Supply	0-160V	0-5	30.5	19" 1/2 Half Rack	-
GPR-25H30DA	750W D.C. Power Supply	0-250V	0-3	29.5	19" 1/2 Half Rack	-
GPR-35H20DA	700W D.C. Power Supply	0-350V	0-2	29.5	19" 1/2 Half Rack	-
GPR-50H15DA	750W D.C. Power Supply	0-500V	0-1.5	29.5	19" 1/2 Half Rack	-
GPR-60H15DA	900W D.C. Power Supply	0-600V	0-1.5	30.5	19" 1/2 Half Rack	-
GPR-100H05DA	500W D.C. Power Supply	0-1000V	0-0.5	28.5	19" 1/2 Half Rack	-
GPR-7510HDC	750W D.C. Power Supply	0-75V	0-10	29.5	19" 1/2 Half Rack	✓
GPR-6015HDC	900W D.C. Power Supply	0-60V	0-15	30	19" 1/2 Half Rack	✓
GPR-3520HDC	700W D.C. Power Supply	0-35V	0-20	29.5	19" 1/2 Half Rack	✓

ACCESSORIES:
User manual x 1; Test lead GTL-105A x 1 ($\leq 3A$) or GTL-104A x 1 ($\leq 10A$) or Not Available ($> 10A$ or 600V)

OPTIONAL ACCESSORIES
GTL-122 Test Lead, U-type to Alligator Test Lead, Max. Current 40A, 1200mm

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

Rear Panel



GPR-6015HD



GPR-25H30D



GPR-6015HDA

Linear D.C. Power Supply



The GPR-H Series consists of single output linear DC power supplies with voltage outputs rating from 8V to 300V. The series includes overload and reversed polarity protection to protect devices under test from being damaged due to inappropriate operation. The internal select for dynamic loads is often used for amplifier testing. It can support high pulse current derived from dynamic processes as well as support low noise and noise, which make it suitable for high-end bench-top applications requiring precision. Its rear panel supports output wiring. These features combined into one assembly allow the GPR-H Series to predominate in applications requiring high voltage or high current.

GPR-H Series



FEATURES

- * 0.01% High Regulation
- * Constant Voltage and Constant Current Operation
- * Internal Select for Continuous or Dynamic Load
- * Low Ripple and Noise
- * Overload and Reverse Polarity Protection
- * 3 1/2 Digit 0.5" LED Display
- * Internal Select for Continuous or Dynamic Load (for GPR-3510HD/GPR-6060D/GPR-7550D)

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	$\leq 1mVrms$ 5Hz - 1MHz
Recovery Time	$\leq 100\mu S$ (50% 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	$\leq 5mA$ Arms ($\leq 20A$), $\leq 10mA$ Arms ($\leq 30A$) $\leq 20mA$ Arms ($\leq 50A$)
Output Range	0 to rating current continuously adjustable
METER	
Type	3 1/2 Digit 0.5" LED display
Accuracy	$\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$
INSULATION	
Chassis and Terminal Chassis and AC Cord	100M Ω or above (DC 1000V) 100M Ω or above (DC 1000V)
POWER SOURCE	
AC 100V/120V/220V/240V $\pm 10\%$, 50/60Hz	
DIMENSIONS	
254(W) x 152(H) x 456(D) mm	

Rear Panel



ORDERING INFORMATION				
Model	Output Volts (V)	Output Amps (A)	Weight (kg)	
GPR-0830HD	240W D.C. Power Supply	0 - 8	0 - 30	18.5
GPR-1820HD	360W D.C. Power Supply	0 - 18	0 - 20	18.5
GPR-3510HD	350W D.C. Power Supply	0 - 35	0 - 10	18.5
GPR-6060D	360W D.C. Power Supply	0 - 60	0 - 6	18.5
GPR-7550D	375W D.C. Power Supply	0 - 75	0 - 5	18.5
GPR-11H30D	330W D.C. Power Supply	0 - 110	0 - 3	13.5
GPR-30H10D	300W D.C. Power Supply	0 - 300	0 - 1	13.5

ACCESSORIES:
User manual x 1, Power cord x 1
Test lead GTL-105A x 1 ($\leq 3A$) or GTL-104A x 1 ($\leq 10A$) or Not Available ($> 10A$)

OPTIONAL ACCESSORIES
GTL-122 Test Lead, U-type to Alligator Test Lead, Max. Current 40A, 1200mm

Note: CE Approved Only for GPR-1820HD, GPR-3510HD, GPR-7550D, GPR-11H30D
Rear-Panel Output Only for GPR-0830HD, GPR-1820HD