

Linear D.C. Power Supply



The GPR-H Series consists of single output linear DC power supplies with voltage outputs ranging 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 $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 5\text{mV} (<10\text{A})$ $\leq 0.02\% + 5\text{mV} (\geq 10\text{A})$
Ripple & Noise	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
Recovery Time	$\leq 100\mu\text{S}$ (50% load change, minimum load 0.5A)
Output Range	0 to rating voltage continuously adjustable

CONSTANT CURRENT OPERATION

Regulation	Line regulation $\leq 0.2\% + 3\text{mA}$ Load regulation $\leq 0.2\% + 5\text{mA}$
Ripple Current	$\leq 5\text{mA rms}$ ($\leq 20\text{A}$), $\leq 10\text{mA rms}$ ($\leq 30\text{A}$) $\leq 20\text{mA rms}$ ($\leq 50\text{A}$)
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	100M Ω or above (DC 1000V)
Chassis and AC Cord	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 ($\leq 3\text{A}$) or GTL-104A x 1 ($\leq 10\text{A}$) or Not Available ($>10\text{A}$)

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

Rear-Panel Output Only for GPR-0830HD, GPR-1820HD