

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	$\leq 1mV_{rms}$ 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 $\leq 0.2\% + 5mA$
Ripple Current	$\leq 5mA_{rms}$ ($\leq 20A$), $\leq 10mA_{rms}$ ($\leq 30A$) $\leq 20mA_{rms}$ ($\leq 50A$)
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	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 ($\leq 3A$) 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