

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/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 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

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

Rear Panel



GPR-3520HDA



GPR-100H05DA



GPR-3520HDA

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	$\leq 5mArms (<20A), \leq 20mArms (\leq 50A)$ $\leq 100mArms (\leq 100A)$
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)	External Remote I/O
GPR-1850HDN	900W D.C. Power Supply	0 ~ 18	0 ~ 50	30	—
GPR-3520HDA	700W D.C. Power Supply	0~35V	0 ~ 20	29.5	—
GPR-6015HDA	900W D.C. Power Supply	0~60V	0 ~ 15	30	—
GPR-7510HDA	750W D.C. Power Supply	0~75V	0 ~ 10	29.5	—
GPR-16H50DA	800W D.C. Power Supply	0~160V	0 ~ 5	30.5	—
GPR-25H30DA	750W D.C. Power Supply	0~250V	0 ~ 3	29.5	—
GPR-35H20DA	700W D.C. Power Supply	0~350V	0 ~ 2	29.5	—
GPR-50H15DA	750W D.C. Power Supply	0~500V	0 ~ 1.5	29.5	—
GPR-60H15DA	900W D.C. Power Supply	0~600V	0 ~ 1.5	30.5	—
GPR-100H05DA	500W D.C. Power Supply	0~1000V	0 ~ 0.5	28.5	—
GPR-7510HDC	750W D.C. Power Supply	0~75V	0 ~ 10	29.5	✓
GPR-6015HDC	900W D.C. Power Supply	0~60V	0 ~ 15	30	✓
GPR-3520HDC	700W D.C. Power Supply	0~35V	0 ~ 20	29.5	✓

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.