

Triple Output Power Supply



Description

This product is triple output, 195W, linear DC power supply. Channel 1 and 2 are fully adjustable and channel 3 is fixed at 5V/3A with ripple and noise at less than 2mVrms. Overload and reverse polarity protection keeps the product and its loads safe from unexpected conditions. The product contains a temperature controlled cooling fan for thermal protection. The GPC features continuous or dynamic internal load selection and series or parallel tracking for application flexibility. The product is an ideal solution for inexpensive bench-top applications requiring low noise and multiple outputs.

Features

- Four digital panel meters
- Triple output
- Auto tracking
- Auto series and parallel operation
- Constant voltage and constant current operation
- Low ripple and noise
- Internal select for continuous or dynamic load
- Overload and reverse polarity protection
- 3-1/2 Digits 0.39" LED display
- 5V, 3A fixed output

Specifications

Operation Mode	
Independent	Output from 0 to rating volts and 0 to rating amperes Two independent outputs and 5V fixed output
Series	Output from 0 to rating volts at rating amperes each Output from 0 to double rating volts at rating amperes
Parallel	Output from 0 to double rating amperes at rating volts
Constant Voltage Operation	
Regulation	Line regulation $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$) $\leq 0.02\% + 5\text{mV}$ (rating current $\leq 10\text{A}$) $\leq 0.01\% + 5\text{mV}$ (rating current $\geq 10\text{A}$)
Ripple & Noise	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
Recovery Time	$\leq 100\mu\text{s}$ (50% Load change, Min. load 0.5A)
Constant Current Operation	
Regulation	Line regulation $0.2\% + 3\text{mA}$ Load regulation $\leq 0.2\% + 3\text{mA}$
Ripple Current	$\leq 3\text{mA}$
5V Fixed Output	
Regulation	Line regulation $\leq 5\text{mV}$ Load regulation $\leq 10\text{mV}$
Ripple & Noise	$\leq 2\text{mVrms}$
Voltage Accuracy	$5\text{V} \pm 0.25\text{V}$
Output Current	3A



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Tracking Operation	
Tracking Error	≤0.5% + 10mV of the master
Series Regulation	≤300mV
Meter	
Digital	3-1/2 digits 0.39" LED display Accuracy ±(0.5% of rdg + 2 digits)
Insulation	
Chassis and Terminal	20MΩ or above (500V DC)
Chassis and AC Cord	30MΩ or above (500V DC)
Power Source	
AC 100V/120V/220V/240V ±10%, 50/60Hz	
Dimensions	
255mm(W) × 145mm(H) × 346mm(D)	
Ordering Information	
Model	195W D.C. Power Supply
Independent	(0 ~ 30V/0 ~ 3A) × 2 , (5V/3A MAX) × 1
Series	60V 3A
Parallel	30V 6A
Weight (kg)	11.5

Accessories:

User manual × 1 , Power cord × 1

Test lead × 1 (≤3A) or Test lead × 2 (≤10A)

European test lead × 1 (≤3A) or European test lead × 2 (≤10A)

Optional Accessories

Rack Adapter Panel

Part Number Table

Description	Part Number
Triple Output Linear D.C. Power Supply	72-6615

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