

# 200W Multiple Output Linear D.C. Power Supply



## Description

The product is 4 channel, 200W output, linear DC power supply. Overload and reverse polarity protection and an output on/off switch keep the product and its load safe from unexpected conditions. A High regulation (0.01%+3mV) and low ripple/noise (< 1mVrms, 5Hz~1MHz) are maintained for channel 1 and 2 in constant voltage mode. Automated cooling fan speed control minimizes fan noise according to load conditions, ensuring quiet operation. The product is an ideal solution for lightweight, inexpensive bench-top or portable applications requiring high regulation and multiple outputs.

## Features

- 4 Independent isolated output
- Four "3 digits" led displays
- 0.01% Load and line regulation
- Low ripple and noise
- Tracking operation and auto series/parallel operation
- Output on/off switch
- Output voltage and current setting when output disable
- Fan speed control circuit to minimize fan noise
- Over load and reverse polarity protection
- Optional European jack type terminal

## Specifications

Output Mode				
	CH1	CH2	CH3	CH4
Voltage	0 ~ 30V		2.2 ~ 5.2V	8 ~ 15V
Current	0 ~ 3A		1A Max.	1A Max.
Tracking Series Voltage	0 ~ 60V		-	
Tracking Parallel Current	0 ~ 6A			
Constant Voltage Operation (CH1, CH2)				
Line Regulation	≤ 0.01% + 3mV			
Load Regulation	≤ 0.01% + 3mV (rating current < 3A) ≤ 0.02% + 5mV (rating current > 3A)			
Ripple & Noise	≤ 1mVrms , 5Hz ~ 1MHz			
Recovery Time	≤ 100 S (50% Load change, Minimum load 0.5A)			
Constant Current Operation (CH1, CH2)				
Line Regulation	≤ 0.2% + 3mA			
Load Regulation	≤ 0.2% + 3mA			
Ripple & Noise	≤ 3mArms			
Tracking Operation (CH1, CH2)				
Tracking Error	≤ 0.5% + 10mV of CH1			
Series Regulation	≤ 0.01% + 5mV			
Load Regulation	≤ 300mV			
Ripple & Noise	≤ 2mVrms , 5Hz ~ 1MHz			



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<b>CH3 Operation</b>	
CH3 Voltage	2.2V ~ 5.2V
Line Regulation	≤ 5mV
Load Regulation	≤ 15mV
Ripple & Noise	≤ 2mVrms, 5Hz ~ 1MHz
Current Output	≤ 1A
<b>CH4 Operation</b>	
CH4 Voltage	8V ~ 15V
Line Regulation	≤ 5mV
Load Regulation	≤ 10mV
Ripple & Noise	≤ 2mVrms, 5Hz ~ 1MHz
Current Output	1A
<b>Meter</b>	
Digital	3 digits 0.5" LED display Out ON Accuracy + (0.5% of rdg + 2 digits) Out OFF Accuracy + (0.5% of rdg + 8 digits)
<b>Insulation</b>	
Chassis and Terminal	≥ DC 500V / 20MΩ
Chassis and AC Cord	≥ DC 500V / 30MΩ
<b>Power Source</b>	
AC 100V/120V/220V +10%, 230V(+10% ~ -6%), 50/60Hz	
<b>Dimensions &amp; Weight</b>	
255mm(W) × 145mm(H) × 265mm(D), Approx. 7 kg	

## Part Number Table

Description	Part Number
4-channels, 200W D.C. Power Supply	72-6905

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