

# 180W Dual Output Linear DC Power Supply



## Description

The product is 2-channels, 180W 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

- 2 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
- Fan speed control circuit to minimize fan noise
- Over load and reverse polarity protection
- Optional European jack type terminal

## Specifications

Output Mode		
	CH1	CH2
Voltage	0 ~ 30V	
Current	0 ~ 3A	
Tracking Series Voltage	0 ~ 60V	
Tracking Parallel Current	0 ~ 6A	
Constant Voltage Operation (CH1, CH2)		
Line Regulation	$\leq 0.01\% + 3\text{mV}$	
Load Regulation	$\leq 0.01\% + 3\text{mV}$ (rating current < 3A) $\leq 0.02\% + 5\text{mV}$ (rating current > 3A)	
Ripple & Noise	$\leq 1\text{mVrms}$ , 5Hz ~ 1MHz	
Recovery Time	$\leq 100\text{ S}$ (50% Load change, Minimum load 0.5A)	
Constant Current Operation (CH1, CH2)		
Line Regulation	$\leq 0.2\% + 3\text{mA}$	
Load Regulation	$\leq 0.2\% + 3\text{mA}$	
Ripple & Noise	$\leq 3\text{mArms}$	
Tracking Operation (CH1, CH2)		
Tracking Error	$\leq 0.5\% + 10\text{mV}$ of CH1	
Series Regulation	$\leq 0.01\% + 5\text{mV}$	
Load Regulation	$\leq 300\text{mV}$	
Ripple & Noise	$\leq 2\text{mVrms}$ , 5Hz ~ 1MHz	



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<b>Meter</b>	
Digital	3 digits 0.5" LED display Accuracy $\pm(0.5\%$ of rdg + 2 digits)
<b>Insulation</b>	
Chassis and Terminal	$\geq$ DC 500V / 20M $\Omega$
Chassis and AC Cord	$\geq$ DC 500V / 30M $\Omega$
<b>Power Source</b>	
AC 100V/120V/220V +10%, 230V(+10% ~ -6%), 50/60Hz	
<b>Dimensions &amp; Weight</b>	
255mm(W) $\times$ 145mm(H) $\times$ 265mm(D), Approx. 7 kg	

## Part Number Table

Description	Part Number
2-channels, 180W D.C. Power Supply	72-7245

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