

# 30V, 5A, Adjustable Single Output Programmable DC Power Supply



## Features:

- Complete digital control / programmable
- 10mV / 1mA resolution
- Low noise and ripple
- CV / CC constant voltage and constant current modes
- OCP and OVP settings, constant protection mode
- 5 sets of parameters can be stored and recalled
- Output switch control
- Power-off memory function
- Keyboard lock function
- Interfaces : RS232, USB

## Specifications:

Voltage Range / Current Range	0 - 30V / 0 - 5A Adjustable
Load Regulation	Voltage : $\leq 0.01\% + 2\text{mV}$ / Current : $\leq 0.1\% + 5\text{mA}$
Line Regulation	Voltage : $\leq 0.01\% + 3\text{mV}$ / Current : $\leq 0.1\% + 3\text{mA}$
Setup Resolution	Voltage : 10mV / Current : 1mA
Setup Accuracy (25°C $\pm 5^\circ\text{C}$ )	Voltage : $\leq 0.5\% + 20\text{mV}$ / Current : $\leq 0.5\% + 10\text{mA}$
Ripple (20Hz - 20MHz)	Voltage : $\leq 2\text{mVrms}$ / Current : $\leq 5\text{mA}_{\text{rms}}$
Temp. Coefficient	Voltage : $\leq 100\text{ppm} + 10\text{mV}$ / Current : $\leq 100\text{ppm} + 5\text{mA}$
Read Back Accuracy	Voltage : 10mV / Current : 1mA
Read Back Temp. Coefficient	Voltage : $\leq 100\text{ppm} + 10\text{mV}$ / Current : $\leq 100\text{ppm} + 5\text{mA}$
Reaction Time (10% Rated load)	Voltage : $\leq 100\text{mS}$ / Current : $\leq 100\text{mS}$
Operation Environment	Indoor use Altitude : $\leq 2,000\text{m}$ Ambient temperature : $0^\circ\text{C} \sim 40^\circ\text{C}$ Relative humidity : $\leq 80\%$
Input Voltage	230V $\pm 10\%$ , 50Hz
Interfaces	RS232, USB
Weight and Dimension	4.3kg / 110mm(W) $\times$ 156mm(H) $\times$ 260mm(D)
Storage Environment	Ambient temperature : $-10^\circ\text{C}$ to $+70^\circ\text{C}$ Relative humidity : $\leq 70\%$
Accessories	User manual, 1 $\times$ UK power cord and 1 $\times$ Euro power cord (1.2m), USB cord (1.2m)

**Note:** Input Voltage : 230V  $\pm 10\%$

## Part Number Table

Description	Part Number
30V, 5A Single CH, PROG PSU RS232 + USB	72-2540

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Tenma is the registered trademark of the Group. © Premier Farnell Limited 2016.