

# Mini Switching DC Power Supply

## General

HPS series power supply is single channel output ,High accuracy ,dual LED display .It is continuously adjustable within the rated AC/DC. CV/CC working pattern switch automatically .Full protecting makes it safe to use : over-load protection function.,overheated protection function,short circuit protection function.With the specification of small body ,easy handling, a sturdy case, novel appearance ,good performance, excellent cost effectiveness, It is the ideal power supply unit for science investigation, college, factory, electronic appliance maintenance and etc.

## Specifications

- Ø Single-channel output
- Ø CC/CV auto switchable
- Ø 110V/220V Switchable
- Ø Over-load protection function.
- Ø Overheated protection function.
- Ø short circuit protection function.
- Ø Coarse/ fine tune the Voltage and Current
- Ø Nice cooling with temperature-controlled fan
- Ø 3/4 digital LED-display for voltage and current•



Ø Small body, light weight ,only 1.4KG ,easy for carry

Ø Good performance with excellent cost effective

## Technical information

|                           |                      |
|---------------------------|----------------------|
| Input voltage             | AC 110V/220V,50/60Hz |
| Output voltage            | 0 ~ Nominal value    |
| Output current            | 0 ~ Nominal value    |
| Voltage resolution        | 10/100mV             |
| Current resolution        | 1/10mA               |
| Power effect              | $CV \leq 1\% + 10mV$ |
| Effect of load            | $CV \leq 1\% + 10mV$ |
| Ripple and noise          | $V_{p-p} \leq 1\%$   |
| Voltage display precision | $\pm 1\% + 1$ digits |
| Current display precision | $\pm 1\% + 2$ digits |
| Net/gross Weight (KG)     | 1.4KG /1.7KG         |
| Dimension (mm)            | 81W×165H×220L        |
| Package                   | 8pcs/conton          |

### Standard Package Contents::

Power supply×1

Power cord×1

Test Leads×1

Uswer manual ×1

### 3 Digits Mini Switching DC Power Supply

| Model    | voltage  | Current | Resolution(V) | Resolution(A) |
|----------|----------|---------|---------------|---------------|
| HPS1505D | 0 ~ 15V  | 0 ~ 5A  | 0.1V          | 0.01A         |
| HPS1510D | 0 ~ 15V  | 0 ~ 10A | 0.1V          | 0.01A         |
| HPS303D  | 0 ~ 30V  | 0 ~ 3A  | 0.1V          | 0.01A         |
| HPS305D  | 0 ~ 30V  | 0 ~ 5A  | 0.1V          | 0.01A         |
| HPS3010D | 0 ~ 30V  | 0 ~ 10A | 0.1V          | 0.01A         |
| HPS602D  | 0 ~ 60V  | 0 ~ 2A  | 0.1V          | 0.01A         |
| HPS603D  | 0 ~ 60V  | 0 ~ 3A  | 0.1V          | 0.01A         |
| HPS605D  | 0 ~ 60V  | 0 ~ 5A  | 0.1V          | 0.01A         |
| HPS1201D | 0 ~ 120V | 0 ~ 1A  | 0.1V          | 0.01A         |
| HPS1202D | 0 ~ 120V | 0 ~ 2A  | 0.1V          | 0.01A         |
| HPS1203D | 0 ~ 120V | 0 ~ 3A  | 0.1V          | 0.01A         |

### 4 Digits Mini Switching DC Power Supply

| Model     | voltage | Current | Resolution(V) | Resolution(A) |
|-----------|---------|---------|---------------|---------------|
| HPS1505DF | 0 ~ 15V | 0 ~ 5A  | 0.01V         | 0.001A        |
| HPS1510DF | 0 ~ 15V | 0 ~ 10A | 0.01V         | 0.001A        |
| HPS303DF  | 0 ~ 30V | 0 ~ 3A  | 0.01V         | 0.001A        |
| HPS305DF  | 0 ~ 30V | 0 ~ 5A  | 0.01V         | 0.001A        |
| HPS3010DF | 0 ~ 30V | 0 ~ 10A | 0.01V         | 0.001A        |
| HPS602DF  | 0 ~ 60V | 0 ~ 2A  | 0.01V         | 0.001A        |
| HPS603DF  | 0 ~ 60V | 0 ~ 3A  | 0.01V         | 0.001A        |
| HPS605DF  | 0 ~ 60V | 0 ~ 5A  | 0.01V         | 0.001A        |