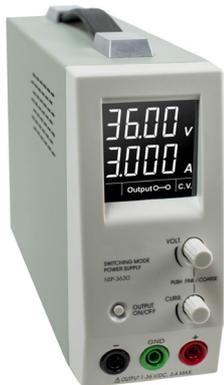


Laboratory Grade Power Supply With C.C. Control



Description

100W switching mode power supplies with current limiting control, is designed with the objectives of high accuracy, compactness and easy portability. 4 digit display LCD of voltage and current for high precision. The slim tower housing makes it ideal for tight work bench. It is light and conveniently portable with a collapsible handle. The large and illuminated LCD display provides clear and sharp readings even under dim light. The output power on off switch allows safe and handy operations. The Tracking OVP (Output Over Voltage Protection) ensures a better and tighter protection to voltage sensitive loads. It has good line and load regulations, high efficiency and low ripple & noise that are typical of advanced switching mode power supply.

Features:

- Open circuit current limiting setting capability
- Automatic Cross over CV and CC mode
- Illuminated LCD indications of A, V, Output On-OFF, CC & CV.
- 4 digit displays of Volt and Amp meters
- Coarse & Fine Voltage and Current controls
- Compact slim tower housing
- Collapsible handle
- Output power on off switch at front panel
- Natural Convection
- Tracking OVP (output over voltage protection), short circuit, overload and over temperature protections
- Good line, load regulations and low ripple and noise
- Rotary encoder control
- CE approvals

Specifications:

Input Voltage (Jumper Selection)	: 200V AC to 240V AC, 50/60Hz
Full Load Input Current at 230V AC	: 0.83A
Output Voltage Adjustable Range	: 1V DC to 60V DC
Output Current Adjustable Range	: 0.25A to 1.6A

Voltage Regulation

Load from 10% to 100% Variation	: 50mV
Line from 180 to 264V AC Variation	: 20mV
Ripple & Noise in r.m.s.	: ≤5mV
Ripple & Noise (peak to peak)	: ≤50mV

Current Regulation

Load from 10% to 100% Variation	: 20mA
Line from 180 to 264V AC Variation	: 20mA
Ripple & Noise (peak to peak)	: ≤20mA
Switching Operation Frequency	: 80kHz to 120kHz
Power Factor	: >0.65



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Efficiency at Max. Power	: $\geq 84\%$
Display	: 4digit LCD
Volt. Meter Accuracy	: $\pm 0.5\%$ +5counts for range $V \leq 20V$ $\pm 0.5\%$ +3counts for range $V > 20V$
Curr. Meter Accuracy	: $\pm 0.5\%$ +5counts for range $I \leq 0.5A$ $\pm 0.5\%$ +3counts for range $I > 0.5A$
LCD Indication	: C.C. , C.V., Amp, Volt., output on/off
Protection	: Short Circuit, Overload, Over Temperature, Tracking OVP
Cooling System	: Natural Convection
Dimensions (WxHxD)	: 70mm \times 150mm \times 250mm (2.8" \times 6" \times 9.8")
Weight	: Approx. 2 kgs / 4.4 lbs

Note:

All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa

Part Number Table

Description	Part Number
100W Switching Mode Power Supply	72-8340A

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