

# Data Sheet

## Switching DC Power Supply with USB Charger Output 1-36 V, 0-3 A

### Model 1550



The model 1550 is a compact 108 watt power supply delivering 1-36 V and 0-3 A from its main isolated output. A unique feature of the 1550 supply is the USB charging port located on the front panel allowing the user to charge a cell phone or MP3 player. Clean power and quiet operation make this power supply ideal for any bench in laboratories, work shops and schools where bench space is limited.

#### Features:

- USB charging port on front panel
- Rear panel security loop
- Compact design
- Output On/Off control
- Large bright easy to read LCD display
- Constant voltage and constant current operation
- Overvoltage protection
- 230 Vac European version with Banana style outputs, order model 1550EXD



### USB Charging Port

Charge your cell phone or MP3 player while you work



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### Specifications

model

1550

#### MAIN OUTPUT

Output Voltage Adjustable Range	1.0 – 36 VDC
Output Current Adjustable Range	0 – 3 A
Voltage Regulation	
Load from 10 % to 100 %	± 50 mV
Line from min to max	± 20 mV
Ripple (rms)	± 5 mV
Noise (Peak to Peak)	± 50 mV
Current Regulation	
Load from 10 % to 100 %	± 20 mA
Line from min to max	± 20 mA
Switching Operation Frequency	80 kHz to 120 kHz
Efficiency at Max Power	83 % (± 10 %)
Voltmeter and Ammeter Display	3 Digit
Voltmeter Accuracy	± 1 % of rdg. ± 5 digits
Ammeter Accuracy	± 1 % of rdg. ± 5 digits

#### USB OUTPUT

Output Voltage	5 V (± 10 %)
Output Current	400 mA (± 10 %)
Load Voltage Regulation	80 mV (± 10 %)
Ripple & Noise (no load rms)	8 mV (± 10 %)

#### GENERAL

Input Voltage	100 – 120 Vac (50–60 Hz) For 230V input version order model number 1550EXD
Full Load Input Current at 120 Vac	1.8 A (± 10 %)
LCD Indication	CC, CV, Amp, Volt, Output ON-OFF
Protection	Short Circuit, Overload, Over Temperature, Over Voltage
Cooling System	Natural Convection
Dimensions (WxHxD)	2.8" x 6.0" x 9.8" (70 x 150 x 250 mm)
Weight	4.4 Lbs. (2 kgs)

**One Year Warranty**

#### Accessories

Supplied: User Manual, Power Cord

### Rear Panel Security Loop

Secure the power supply to a work station to prevent unwanted removal

