

# 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



Specifications		model
		1550
<b>MAIN OUTPUT</b>		
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	
<b>USB OUTPUT</b>		
Output Voltage	5 V (±10 %)	
Output Current	400 mA (±10 %)	
Load Voltage Regulation	80 mV (±10 %)	
Ripple & Noise (no load rms)	8 mV (±10 %)	
<b>GENERAL</b>		
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)	
<b>One Year Warranty</b>		
Accessories		
Supplied: User Manual, Power Cord		

#### Rear Panel Security Loop

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

