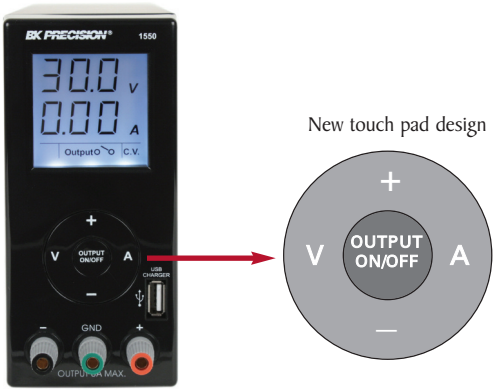
Data Sheet

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 version with banana style outputs (model 1550-220V)



Specifications	1550
MAIN OUTPUT	
Output Voltage Adjustable Range	1.0 – 36 VDC
Output Current Adjustable Range	0 – 3 A
Voltage Regulation	
Load (10 % to 100 %)	±50 mV
Line (min to max)	±20 mV
Ripple	±5 mV rms
Noise (Peak to Peak)	±50 mV
Current Regulation	
Load (10 % to 100 %)	±20 mA
Line (min to max)	±20 mA
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 %)
OTHER	
AC Input	100 – 120 Vac (50~60 Hz)*
Efficiency at Max Power	83 % (±10 %)
Voltmeter and Ammeter Display	3 Digit
Voltmeter Accuracy	±1 % of rdg. ± 5 digits
Switching Operation Frequency	80 kHz to 120 kHz
Ammeter Accuracy	±1 % of rdg. ± 5 digits
Full Load Input Current at 120 Vac	1.8 A (±10 %)
LCD Indication	CC, CV, Amp, Volt, Output ON-OFF
GENERAL	
Protection	Short Circuit, Overload, Over Temperature, Over Voltage
Dimensions (W x H x D)	2.8" x 6.0" x 9.8" (70 x 150 x 250 mm)
Weight	4.4 Lbs. (2 kgs)
	One-Year Warranty
Supplied Accessories	User manual and power cord

*For 230V input, order model number 1550-220V.

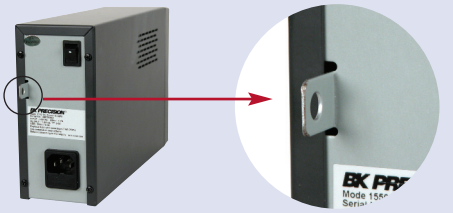
USB Charging Port

Charge your cell phone or MP3 player while you work



Rear Panel Security Loop

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



Technical data subject to change
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