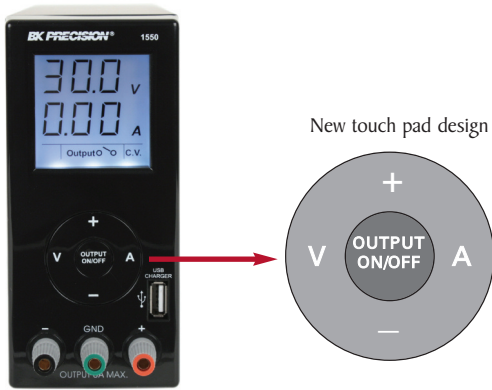


Data Sheet

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)



USB Charging Port

Charge your cell phone or MP3 player while you work



| 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.

Rear Panel Security Loop

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

