

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

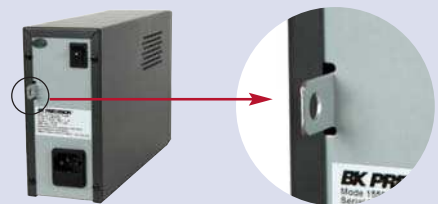
Charge your cell phone or MP3 player while you work



Specifications		model
		1550
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



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