Data Sheet

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

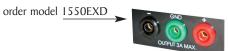
Model 1550



The model 1550 is a compact 108 watt power supply delivering $1\text{-}36\ V$ 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,



USB Charging Port	
Charge your cell phone or MP3 player while you work	F S D V

	mode
	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
	± 1 % of rdg. ± 5 digits
Ammeter Accuracy	±1 % of fug. ± 3 digits
USB OUTPUT	-
USB OUTPUT Output Voltage	5 V (±10 %)
USB OUTPUT Output Voltage Output Current	5 V (±10 %) 400 mA (±10 %)
USB OUTPUT Output Voltage Output Current Load Voltage Regulation	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %)
USB OUTPUT Output Voltage Output Current	5 V (±10 %) 400 mA (±10 %)
USB OUTPUT Output Voltage Output Current Load Voltage Regulation	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %)
USB OUTPUT Output Voltage Output Current Load Voltage Regulation Ripple & Noise (no load rms)	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %)
USB OUTPUT Output Voltage Output Current Load Voltage Regulation Ripple & Noise (no load rms) GENERAL	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %) 8 mV (±10 %) 100 – 120 Vac (50~60 Hz)
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USB OUTPUT Output Voltage Output Current Load Voltage Regulation Ripple & Noise (no load rms) GENERAL	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %) 8 mV (±10 %) 100 – 120 Vac (50~60 Hz) For 230V input version order model number
USB OUTPUT Output Voltage Output Current Load Voltage Regulation Ripple & Noise (no load rms) GENERAL Input Voltage	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %) 8 mV (±10 %) 100 – 120 Vac (50~60 Hz) For 230V input version order model number 1550EXD
USB OUTPUT Output Voltage Output Current Load Voltage Regulation Ripple & Noise (no load rms) GENERAL Input Voltage Full Load Input Current at 120 Vac	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %) 8 mV (±10 %) 100 – 120 Vac (50~60 Hz) For 230V input version order model number 1550EXD 1.8 A (±10 %) CC, CV, Amp, Volt, Output ON-OFF
USB OUTPUT Output Voltage Output Current Load Voltage Regulation Ripple & Noise (no load rms) GENERAL Input Voltage Full Load Input Current at 120 Vac LCD Indication	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %) 8 mV (±10 %) 100 – 120 Vac (50~60 Hz) For 230V input version order model number 1550EXD 1.8 A (±10 %) CC, CV, Amp, Volt, Output ON-OFF
USB OUTPUT Output Voltage Output Current Load Voltage Regulation Ripple & Noise (no load rms) GENERAL Input Voltage Full Load Input Current at 120 Vac LCD Indication	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %) 8 mV (±10 %) 100 – 120 Vac (50~60 Hz) For 230V input version order model number 1550EXD 1.8 A (±10 %) CC, CV, Amp, Volt, Output ON-OFF Short Circuit, Overload, Over Temperature,
USB OUTPUT Output Voltage Output Current Load Voltage Regulation Ripple & Noise (no load rms) GENERAL Input Voltage Full Load Input Current at 120 Vac LCD Indication Protection	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %) 8 mV (±10 %) 100 – 120 Vac (50~60 Hz) For 230V input version order model number 1550EXD 1.8 A (±10 %) CC, CV, Amp, Volt, Output ON-OFF Short Circuit, Overload, Over Temperature, Over Voltage
USB OUTPUT Output Voltage Output Current Load Voltage Regulation Ripple & Noise (no load rms) GENERAL Input Voltage Full Load Input Current at 120 Vac LCD Indication Protection Cooling System	5 V (±10 %) 400 mA (±10 %) 80 mV (±10 %) 8 mV (±10 %) 100 – 120 Vac (50~60 Hz) For 230V input version order model number 1550EXD 1.8 A (±10 %) CC, CV, Amp, Volt, Output ON-OFF Short Circuit, Overload, Over Temperature, Over Voltage Natural Convection

Accessories
Supplied: User Manual, Power Cord

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

