



M S D S Material Data Sheet

	WARNING
	Conducted Electrical Weapon <ul style="list-style-type: none"> • Can temporarily incapacitate target. • Can cause death or serious injury. • Obey warnings, instructions and all laws. • Comply with current training materials and requirements. • See www.PHAZZER.com.

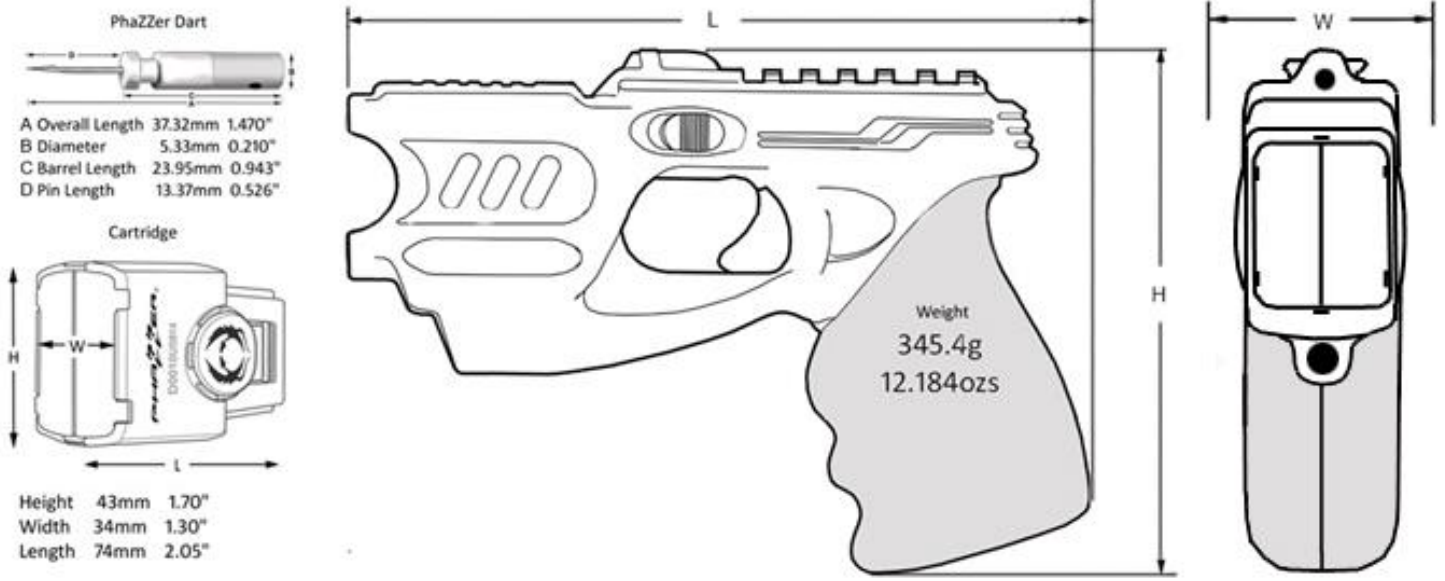
PhaZZer Enforcer Conducted Electrical Weapon (CEW) Models Output Characteristics and Features Data Sheet¹

Model	Model No.	Color
PhaZZer Enforcer w/Dataport	1-EBLK-DP	Black
PhaZZer Enforcer w/Dataport(Yellow)	1-EYLW-DP	Yellow
PhaZZer Enforcer (Black)	1-EBLK	Black
PhaZZer Enforcer(Yellow)	1-EYLW	Yellow

Specifications ^{2,3}	Features
<ol style="list-style-type: none"> 1. Output specifications^{4,5} <ul style="list-style-type: none"> • Waveform: Patented Non-Sinusoidal Shaped Pulse. • Peak Open Voltage: 55,000 Volts (V) (+/- 20%)** • Pulse rate: 21-24 (PPS) pulses per seconds (-3 / +1 PPS). • Pulse Duration: 90-110 microseconds (+/- 20%). • Peak Loaded Voltage 3,500 to 5,000 (V) into a human body equivalent 600-ohm non-inductive load (+/- 20%). • Current: 2.0 Milliampere (mA) Average (-10% / +5%). • Full pulse total charge 70 microcoulombs (µC) (+/- 20%). 2. Operating and Storage Temperature Range: -4 °F [- 20°C] to 122 °F [50 °C]. 3. Operating relative humidity: Up to 95% (non-condensing). 4. Estimated useful life: Approximately five years. 5. Power source: 7.4 V 1000mAh Lithium Ion in-weapon Rechargeable and Replaceable Battery Pack. Battery requires a minimum 3-hour maintenance charge every six months.⁶ 	<ol style="list-style-type: none"> 1. Housing: ABS High Impact Polymer Plastic. 2. Three Finger Grip with non-conductive rubber sleeve overlay offers a greater level of comfort and control of your weapon. 3. 3W, 160 Lumen, High-Intensity L.E.D. Beam Light. 4. 6.5 mW, 650 nm Red Class IIIa Laser for target acquisition. 5. Ambidextrous and Autonomous LED Activation Switches. (Can be activated independent or simultaneous from weapon/laser activation) 6. Safety Shut Down Technology: A patent pending over-exposure safety technology which shuts down the weapon system after three consecutive five-second pulse train discharges to avoid overexposure.⁷ 7. The trigger activates a pulse train of approximately five seconds. Holding the trigger will not continue the discharge. A new trigger pull after a ½ second delay is required to start a new pulse train for a maximum of three trigger pulls. 8. The weapon ammunition bay is compatible with TASER® Standard Series Cartridges.⁸ 9. Static Guard™ a patent pending ammunition cartridge guard which prohibits unintentional discharge of the cartridge. This safety mechanism has been approved by the DOT rendering the ammunition as non-hazardous for shipping by air, land or sea. Special handling is not required. 10. Fully Rechargeable Battery System with built-in overcharge prevention.

Physical Characteristics⁸

Length (L)	Height (H)	Width (W)	Weight	Length w/ Dart Cartridge
6.75 in 171.45mm	4.2 in. 120mm	1.45 in. 38mm	12.184 oz. (0.7615 lbs.) 345.4 g	8 in. 204mm



NOTES:

1. The design of the PhaZZer Enforcer combines Simplicity, Reliability, Effectiveness and Safety together. This Less Lethal Option is one of the safest and most effective tools available to Law Enforcement Worldwide. PhaZZer® Brand Weapons have no death on record from its' use as of the date of this publishing.
2. Additional accessories are available. Please contact a PhaZZer® sales representative.
3. These products may be covered under one or more of the following: U.S. Pat. No. 7,554,786 B2, U.S. Pat. No. 8,733,251 B1 and/or additional U.S. Pat. Pending which are licensed to PhaZZer for sales in the United States.
4. Product specifications may change without notice; actual product may vary from picture.
Output specifications may vary depending on temperature, battery charge, or load characteristics. Output specifications derived from 250, 600, and 1,000 Ω resistive loads. The ENFORCER CEW is designed to keep the output charge at ~ 70 μ C (mean value is based on the measurement of the entire 5-second pulse train) independent of the load (body) impedances and varying from 250 to 1000 Ω .
Pulse rate specifications are at room temperature. Temperatures below 32 °F [0 °C] and extreme output loads can reduce the pulse rate.
5. Battery life expectancy, when properly maintained, is 3 to 6 years and / or 3000-5000 five-second discharge cycles. Although the number of firings between charges will vary due to environmental and usage conditions, we recommend that you charge the battery for 2-3 hrs. every 6-8 weeks. In the opinion of PhaZZer , this battery system may save the owner of a PhaZZer Enforcer a significant amount of money over time..
6. The weapon's Safety Shut Down Circuit shuts down the weapon system after three consecutive five-second pulse train discharges but can be manually overridden by the user if additional deployments are necessary to control a situation at hand. When safety shutdown is initiated, it creates a mental awareness to the user that he has exposed the suspect to the currently recommended maximum exposures in a 24-hour period. The maximum exposure, at 15 seconds of aggregate exposure over a 24-hour period, has been established by the AAEM medical studies.
7. PhaZZer series cartridge specifications are available by contacting PhaZZer. PhaZZer's standard series cartridges are available in ranges of 15', 21' and 25'. All PhaZZer® Brand Ammunition is cross compatible with TASER® X26P, X26E, X26C, and M26 CEW weapons.
8. Dimensions and weights are for reference only and may vary slightly by + or – 10%.

** Subject to many conditions such as but not limited to atmospheric pressure, ambient temperature and measurement methodology.

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