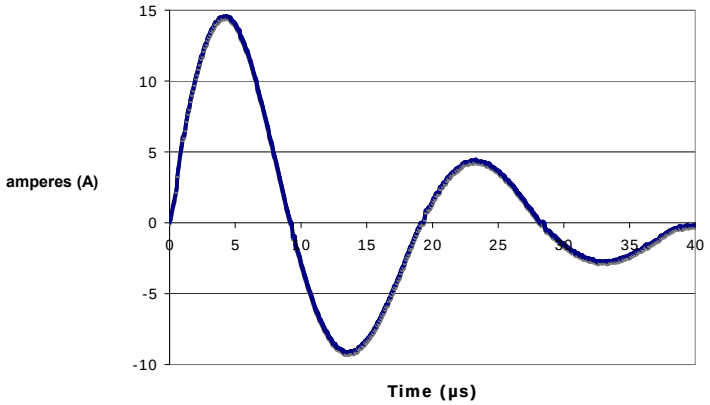
TASER® ELECTRONIC CONTROL DEVICES
ELECTRICAL CHARACTERISTICS – M26™

ELECTRICAL OUTPUT CHARACTERISTIC	ADVANCED TASER® M26™
TASER ECD (Electronic Control Device) Waveforms and Pulse Rates	
Delivered Parameters – A "delivered" parameter represents an amount that enters a subject's body when a circuit is completed and electrical current is delivered from the TASER ECD. Parameter values are derived from human volunteers and 500 Ω (ohm) load[ii] measurements. Values in brackets [ ] are from human volunteers measurements.	
Waveform	50 kHz (kilohertz) damped oscillation with a half-cycle stimulation "main" phase and approximately 17 µs (microsecond) decay time constant
Waveform Graphic 1 A (ampere) = 1,000 mA (milliamperes) 0.001 A = 1 mA	
Pulse Rate (PPS [Pulses Per Second])	20 +30/-25% PPS with a battery of 8 AA NiMH rechargeable cells 15 +30/-25% PPS with a battery of 8 AA Alkaline cells
Pulse Duration	32 to 60 [38 to 41] µs full waveform 7 to 12 [8 to 9] µs main phase
Total per second discharge time ("on" time)	0.00064 to 0.0012 s (seconds) [0.00076 to 0.00082 s] at 20 PPS
Delivered charge	70 to 120 [90 to 98] µC (microcoulombs) main phase 15 to 55 [38 to 42] µC total waveform net
Average Current[i] at 20 PPS from main phase	0.0014 to 0.0024 [0.0018 to 0.002] A
Energy per pulse	0.69 to 1.05 [0.73 to 1.0] J (joules)
Power output	10.35 to 15.75 [10.95 to 15.0] W (watts) at 15 PPS 13.8 to 21 [14.6 to 20.0] W at 20 PPS 17.25 to 26.25 [18.25 to 25] W at 25 PPS
Voltage - peak main phase	6,900 to 9,400 [6,400 to 9,700] V (volts)

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Internal Parameters – An "internal" parameter represents an amount that is *not* "delivered" into the subject.	
Voltage - peak	Approximately 50,000 V
Energy per pulse - at main capacitor	1.76 J
Power - delivered to main capacitor	26 W at 15 PPS
TASER ECD Power Source	
Power source	Battery of 8 AA NiMH cells (1.2 V per cell) or Battery of 8 AA Alkaline cells (1.5 V per cell)
Expected number of TASER M26 discharges from fresh battery of cells	150 to 200 typical, depending on temperature, battery capacity, battery charge, and load characteristics.
Expected number of TASER pulses per battery of cells	Approximately 6,000 pulses (M26 device with battery of eight NiMH AA) 1,700 mAh (milliampere hour)

Actual measurements on particular products may vary as a result of many factors including factors outside TASER International's control. Please refer to TASER published product specifications for specified limits and test conditions. Read the manual and product literature.

For more information see current TASER device/product specification sheets, training materials, product manuals, and Web site (www.TASER.com). TASER International reserves the right to change or modify this document without notice. TASER is a registered trademark of TASER International, Inc.

[i] Average current is the flow of charge (in coulombs) over one second. Current from the main phase is a conservative estimate of stimulation capacity.
[ii] Ohmite LN100J500 Non-inductive resistor.