





**TRI-MAG, Inc.**  
*your* POWER Specialists

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### OUTPUT SPECIFICATIONS

| Model     | Watts | Voltage (Vdc) | Load (A) |      |      | Tolerance<br>± | Ripple & Noise | Regulation |      |
|-----------|-------|---------------|----------|------|------|----------------|----------------|------------|------|
|           |       |               | Min.     | Rate | Peak |                |                | Line       | Load |
| DT020Z-4  | 20    | +5V           | 0        | 2.0  | 3.0  | 1%             | 50 mV          | 1%         | 4%   |
| DT020Z-17 | 20    | +9V           | 0        | 1.8  | 2.5  | 1%             | 80 mV          | 1%         | 3%   |
| DT020Z-5  | 20    | +12V          | 0        | 1.3  | 2.0  | 1%             | 80 mV          | 1%         | 2%   |
| DT020Z-8  | 20    | +15V          | 0        | 1.0  | 1.6  | 1%             | 80 mV          | 1%         | 1%   |
| DT020Z-6  | 20    | +24V          | 0        | 0.7  | 1.0  | 1%             | 80 mV          | 1%         | 1%   |
| DT020Z-14 | 20    | +48V          | 0        | 0.35 | 0.5  | 1%             | 400 mV         | 1%         | 1%   |
| DT030Z-17 | 30    | +9V           | 0        | 3.3  | 4.6  | 1%             | 150 mV         | 1%         | 5%   |
| DT030Z-5  | 30    | +12V          | 0        | 2.5  | 4.0  | 1%             | 100 mV         | 1%         | 3%   |
| DT030Z-8  | 30    | +15V          | 0        | 2.0  | 3.0  | 1%             | 100 mV         | 1%         | 2%   |
| DT030Z-6  | 30    | +24V          | 0        | 1.3  | 1.8  | 1%             | 200 mV         | 1%         | 1%   |
| DT030Z-14 | 30    | +48V          | 0        | 0.75 | 1.0  | 1%             | 400 mV         | 1%         | 1%   |
| DT040Z-4  | 40    | +5V           | 0        | 6.0  | 9.0  | 1%             | 50 mV          | 1%         | 5%   |
| DT040Z-17 | 40    | +9V           | 0        | 4.5  | 6.7  | 1%             | 150 mV         | 1%         | 5%   |
| DT040Z-5  | 40    | +12V          | 0        | 3.7  | 5.6  | 1%             | 100 mV         | 1%         | 3%   |
| DT040Z-8  | 40    | +15V          | 0        | 3.0  | 4.5  | 1%             | 100 mV         | 1%         | 2%   |
| DT040Z-6  | 40    | +24V          | 0        | 1.9  | 2.9  | 1%             | 200 mV         | 1%         | 1%   |
| DT040Z-14 | 40    | +48V          | 0        | 1.0  | 1.5  | 1%             | 400 mV         | 1%         | 1%   |
| DT060Z-5  | 60    | +12V          | 0        | 4.2  | 5.0  | 1%             | 80 mV          | 1%         | 3%   |
| DT060Z-8  | 60    | +15V          | 0        | 3.6  | 4.6  | 1%             | 80 mV          | 1%         | 3%   |
| DT060Z-6  | 60    | +24V          | 0        | 2.5  | 3.0  | 1%             | 120 mV         | 1%         | 3%   |
| DT060Z-14 | 60    | +48V          | 0        | 1.25 | 1.5  | 1%             | 240 mV         | 1%         | 3%   |
| DT080Z-5  | 80    | +12V          | 0        | 6.0  | 9.0  | 1%             | 100 mV         | 1%         | 3%   |
| DT080Z-8  | 80    | +15V          | 0        | 5.0  | 7.5  | 1%             | 100 mV         | 1%         | 3%   |
| DT080Z-3  | 80    | +18V          | 0        | 4.5  | 6.7  | 1%             | 100 mV         | 1%         | 3%   |
| DT080Z-6  | 80    | +24V          | 0        | 3.3  | 5.0  | 1%             | 100 mV         | 1%         | 3%   |
| DT080Z-14 | 80    | +48V          | 0        | 1.75 | 2.5  | 1%             | 200 mV         | 0.5%       | 3%   |
| DT099Z-5  | 100   | +12V          | 0        | 7.5  | 11   | 1%             | 100 mV         | 0.5%       | 3%   |
| DT099Z-8  | 100   | +15V          | 0        | 6.0  | 8.6  | 1%             | 100 mV         | 0.5%       | 3%   |
| DT099Z-6  | 100   | +24V          | 0        | 4.2  | 5.8  | 1%             | 100 mV         | 0.5%       | 3%   |
| DT099Z-14 | 100   | +48V          | 0        | 2.1  | 2.9  | 1%             | 200 mV         | 0.5%       | 3%   |

**Note:** Contact factory for Safety Agency Approved status.

1. Each output can provide up to peak load temporarily. Continuous staying in more than rated load is not allowed.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load.
5. The ripple and noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47 µF capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to 95% output voltage at rated load and nominal line.
7. Efficiency is measured at rated load.

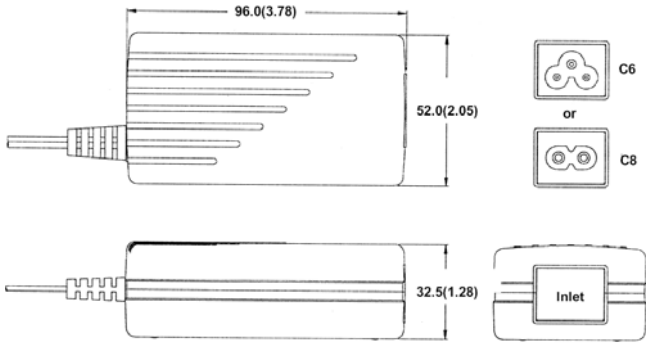


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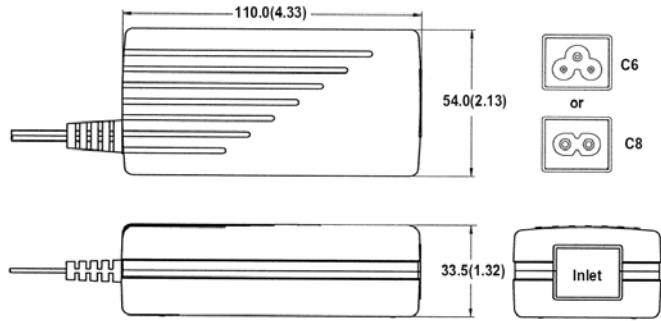
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**MECHANICAL SPECIFICATIONS**

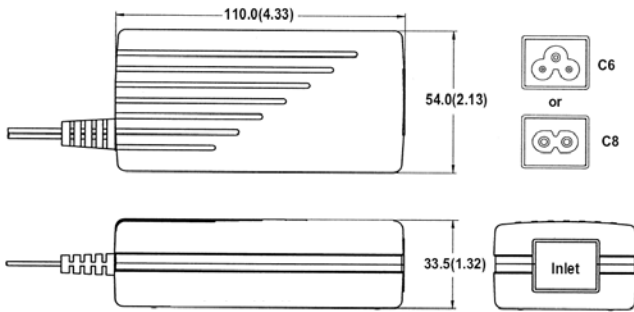
**DT020Z SERIES** C6: DT020Z-XX-3  
 3.78" x 2.05" x 1.25" (96 x 52 x 32.5) C8: DT020Z-XX



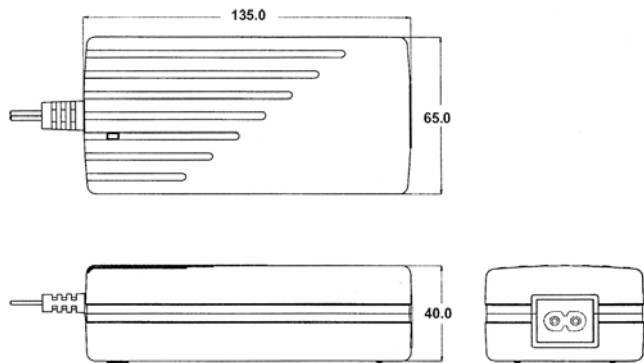
**DT030Z SERIES** C6: DT030Z-XX-3  
 4.33" x 2.13" x 1.32" (110 x 54 x 33.5) C8: DT030Z-XX



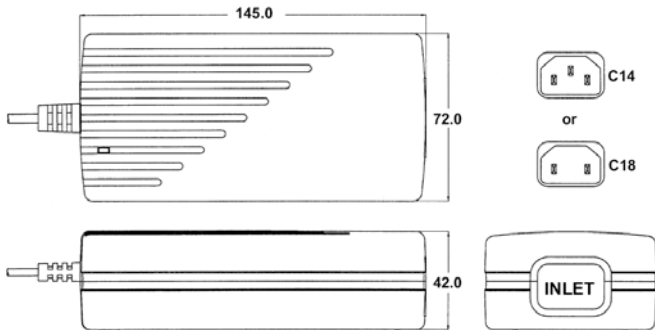
**DT040Z SERIES** C6: DT040Z-XX-3  
 4.73" x 2.29" x 1.46" (120 x 58 x 37.0) C8: DT040Z-XX



**DT060Z SERIES**  
 5.31" x 2.57" x 1.57" (135 x 65 x 40.0)



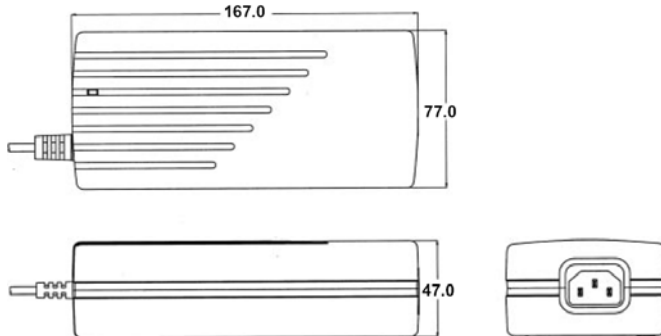
**DT080Z SERIES** C14: DT080Z-XX-3  
 5.7" x 2.83" x 1.65" (145 x 72 x 42.0) C18: DT080Z-XX



DT080Z-XX-3

| PIN   | VOLTAGE | PIN              | WIRE COLOR |
|-------|---------|------------------|------------|
| 1     | GND     | 1                | GND        |
| 3     | GND     | 3                | GND        |
| 4     | +V      | 4                | +V         |
| 2     | +V      | 2                | +V         |
| EARTH |         | DT080Z-XX (Only) |            |

**DT099Z SERIES**  
 6.57" x 3.03" x 1.85" (167 x 77x 47.0)



| PIN | WIRE COLOR |
|-----|------------|
| 1   | +V         |
| 3   | GND        |
| 4   | GND        |
| 2   | +V         |

**All Dimension In Inches (mm) Tolerance: ±.039" (1mm)**

All specifications and prices subject to change without notice