The M3628 Series discharges capacitor banks to safe working levels quickly, allowing work on the system to begin in seconds, rather than hours.

A complete M3628 system consists of a M3628T Transistor, which act as the controller, and a M3628R Resistor, which dissipates the stored energy as heat. The discharge cycle can be started or stopped at any time via an optically coupled enable input, and units may be paralleled for faster discharge times or for larger energy banks.

**Uninterruptible Power for Drives (UPD)**

- **Parallel Connection**
  - High Reliability
  - Seamless power transfer

- **Increased Efficiency**
  - Ultra low standby power
  - Sized to drive systems
  - Few AC/DC conversions

**Product Highlights**

- Discharge energy in electrolytic and ultracapacitors
- Consists of transistor and resistor
- LED indicators
- Units may be paralleled for faster discharge

**Industry Applications**

- Critical Data
- Elevators
- Extrusion
- Fibers
- Semiconductor
- Solar Power
- Textiles
- Wind Power
- & More!
### Model Number Selection

<table>
<thead>
<tr>
<th>Charge Voltage (VDC)</th>
<th>Capacitance (Farad)</th>
<th>Energy (kJ)</th>
<th>Transistor</th>
<th>Resistor</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 VDC</td>
<td>4.4 F, 9.4 F</td>
<td>350 kJ, 750 kJ</td>
<td>M3628T-H150-B5</td>
<td>M3628R-05.0-0350-6T, M3628R-03.0-0750-6H</td>
</tr>
<tr>
<td></td>
<td>19 F</td>
<td>1500 kJ</td>
<td>M3628T-H600-B7</td>
<td>M3628R-00.8-1500-6H, M3628R-00.8-2000-6H, M3628R-00.7-3000-10H, M3628R-00.7-4000-14H</td>
</tr>
<tr>
<td></td>
<td>25 F, 38 F, 50 F</td>
<td>2000 kJ, 3000 kJ, 4000 kJ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>450 VDC</td>
<td>3.5 F, 7.4 F</td>
<td>350 kJ, 750 kJ</td>
<td>M3628T-H150-B5</td>
<td>M3628R-05.0-0350-6T, M3628R-03.0-0750-6H</td>
</tr>
<tr>
<td>500 VDC</td>
<td>15 F</td>
<td>1500 kJ</td>
<td>M3628T-H600-B7</td>
<td>M3628R-00.8-1500-6H, M3628R-00.8-2000-6H, M3628R-00.8-3000-10H, M3628R-00.8-4000-14H</td>
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<tr>
<td></td>
<td>20 F, 30 F, 40 F</td>
<td>2000 kJ, 3000 kJ, 4000 kJ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>550 VDC</td>
<td>2.8 F, 6.0 F</td>
<td>350 kJ, 750 kJ</td>
<td>M3628T-H150-B5</td>
<td>M3628R-05.0-0350-6T, M3628R-03.0-0750-6H</td>
</tr>
<tr>
<td>600 VDC</td>
<td>1.9 F, 4.2 F</td>
<td>350 kJ, 750 kJ</td>
<td>M3628T-H150-B5</td>
<td>M3628R-05.0-0350-6T, M3628R-03.0-0750-6H</td>
</tr>
<tr>
<td></td>
<td>8.3 F, 11 F, 17 F, 22 F</td>
<td>1500 kJ, 2000 kJ, 3000 kJ, 4000 kJ</td>
<td>M3628T-H600-B7</td>
<td>M3628R-00.7-3000-10H, M3628R-00.7-4000-14H</td>
</tr>
</tbody>
</table>

*Contact Bonitron for additional voltages and sizes*

### Specifications

**M3628R**
- **Joules**...... 350kJ to 4mJ
- **Duty Cycle**...... 1 discharge at rated Joules every 60 minutes with no forced air cooling

**M3628T**
- **Duty Cycle**...... 3 discharges @ rated Joules every 30 minutes with no forced air cooling
- **Control Voltage**...... Derived from capacitor bus

**UL Recognized**

[Scan for more Information]

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