New York City Transit
R160 upgrade program
Inverter & Battery Charger

Katium® SiC boosts overall performance
A conventional converter on R160 metro was successfully replaced by a Katium® SiC converter, notably improving overall performance.

High efficiency, high compacity
- SiC technology
- Compact galvanic insulation with small transformers
- High frequency operating, inaudible noise
- Fanless cooling

Unique and smart input stage
- Robust against voltage transients
- No inrush current in any situation
- Harmonic rejections 50 times better than LC filter
- Service proven topology

CUSTOMER BENEFITS:
- Better reliability
- Quiet operation
- Shorter repair time with easily interchangeable modules
- 25% lighter in weight
## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input nominal voltage</td>
<td>3rd rail 600 Vdc</td>
</tr>
<tr>
<td>Inverter output</td>
<td>120 Vac 60 Hz - 13 kVA</td>
</tr>
<tr>
<td>Battery charger output</td>
<td>37.5 Vdc - 18 kW</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-18°C to 50°C [0 °F to 120 °F]</td>
</tr>
<tr>
<td>Efficiency</td>
<td>&gt; 95%</td>
</tr>
<tr>
<td>Cooling</td>
<td>Free air</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Weight</td>
<td>340kg [750 lb]</td>
</tr>
<tr>
<td>Certification</td>
<td>NYCTA qualification</td>
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</tbody>
</table>

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To discover everything **APS for R160** can do, contact:

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