Lithium-ion Battery Technology

A smarter way to power worry-free cleaning.

Key Benefits
- Zero maintenance
- Long battery life
- Simplified operations
- Safer facilities
- Maximized productivity
Spend more time cleaning. Spend zero time worrying.

Make sure your equipment is ready to go all day, every day with Tennant lithium-ion batteries powered by Samsung SDI technology. Create a true zero-maintenance power source: no battery watering, no fuel-tank replacement and storage, and no engine maintenance. With Tennant lithium-ion batteries, your machines are always ready to go, your operators spend more time cleaning – and you spend zero time worrying.

Key Benefits

Zero Maintenance
No more battery watering. No more engine maintenance. No worries.

Long Battery Life
Tennant’s lithium-ion battery has a life of 2,000+ charge cycles. This means fewer battery replacements.

Simplified Operations
No need to train or learn complicated charging processes because opportunity charging does not reduce battery life.

Safer Facilities
Improve indoor air quality and reduce the risk of accidents by eliminating exposure to flammable fuels and battery acid.

Maximized Productivity
Optimize equipment uptime by spending more time cleaning and less time dealing with your power source.

Tennant Li-Ion vs. LPG/Diesel/Gas Fuel
Reduce cost to clean — and enhance safety.
- Improved Uptime: Full-shift cleaning without fuel tank filling/changing
- Lower Costs: Zero engine maintenance, fuel costs, fuel storage costs, shop supply costs and significantly reduced training costs
- Enhanced Safety: Zero fuel emissions, no flammable fuels on-site and lower dBA sound levels
- Sustainable Cleaning: Eliminate reliance on non-renewable natural resources

Tennant Li-Ion vs. Lead-Acid Batteries
Maximize fleet performance — at a great value.
- Improved Uptime: Fast charging, longer runtimes and opportunity charging to minimize idle time
- Great Value: Eliminates all worries associated with traditional wet batteries
- Low Operating Costs: Fewer battery replacements, no battery watering, lower charging costs and minimal training required
- Enhanced Safety: No risk of encountering battery acid and no harmful gases produced during charging
Tennant Lithium-Ion Technology: A Custom-Integrated Solution

Tennant Lithium-ion batteries are designed and assembled for Tennant equipment. This full, custom integration of Samsung SDI technology with Tennant equipment delivers several safety, efficiency and performance advantages over third-party offerings.

Leading Edge Lithium Technology
Lithium-ion battery technology powered by Samsung SDI provides exceptional energy density for longer runtimes than other battery types.

Fully Integrated Design
Unlike many lithium-ion batteries, each Tennant lithium-ion battery is fully integrated with the Tennant machine for worry-free operations. The machine and battery turn on/off with the machine’s key switch, the battery discharge indicator is always visible, and the scrubbing function shuts down at 95% depth of discharge leaving enough power to get to a charging area.

Battery Management System (BMS)
An intelligent system provides continuous communication between battery and machine to protect the user and equipment from unsafe operating conditions.

Proven Samsung SDI Technology
Samsung SDI is the world’s largest supplier of lithium-ion technology and the undisputed leader of lithium-ion innovation. Samsung SDI lithium-ion technology effectively and reliably powers electric cars, e-scooters, power tools, golf carts and more.

5-Year Warranty & Tennant Support
A comprehensive 5-year warranty* backed by unmatched Tennant service support and expertise provides peace-of-mind.

Proven in the Most Extreme Environments
Powered by leading-edge Samsung SDI technology, Tennant’s lithium-ion batteries are a proven power source in rigorous applications and environments. Extensive testing by both Tennant and Samsung SDI ensures these, as well as meeting UL and UN 38.3 standards for safety.

*see warranty for full details
Lithium-Ion Availability Chart

Lithium-ion batteries are available on select Tennant equipment.

<table>
<thead>
<tr>
<th>LITHIUM BATTERY SIZE</th>
<th>T600/T600e</th>
<th>T12</th>
<th>T16</th>
<th>T17</th>
<th>M17</th>
<th>S16</th>
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<tbody>
<tr>
<td>4.1 kWh 110 AH</td>
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<td>✓</td>
<td>✓</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>18.4 kWh 497 AH</td>
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<td>✓</td>
</tr>
<tr>
<td>38.8 kWh 1049 AH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
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</tbody>
</table>

Leasing Programs Available
Tennant offers a range of flexible leasing options that bring your fleet the advantage of Tennant Lithium-Ion technology, while giving your organization the benefit of shifting steady, predictable payments into OpEx budgets.

Contact your Tennant sales representative to see how lithium-ion technology can help your operations.

Tennant – Reinvent how the world cleans

With a vision to become a global leader in sustainable cleaning innovation that empowers our customers to create a cleaner, safer and healthier world, Tennant creates solutions that are changing the way the world cleans.

We are where you are
Tennant has the industry’s largest direct sales and service organization and a well-supported network of authorized distributors worldwide.

Buying, leasing, renting
We offer flexible options to get you the machines you need, however you need them.

Solutions for your unique needs
Whatever your cleaning needs, Tennant offers a variety of high quality equipment to help you increase your cleaning productivity.

TenantTrue®
Optimize equipment performance and protect your investment with TenantTrue® parts and service.