

Li-ion Tamer GEN 3

Product Bulletin

Jan 2026

Overview

Following the launch of the Li-ion Tamer GEN 2+ system in 2020, Honeywell is introducing the new generation “Li-ion Tamer GEN 3” system for the protection of lithium-ion batteries.

Li-ion Tamer GEN 3 system provides the earliest detection of failing lithium-ion batteries (detection of battery electrolyte vapours), well in advance of smoke and conventional gas detectors. With early warning of the initial signs of failing lithium-ion batteries, proper mitigation steps can be taken to prevent progression to a catastrophic thermal runaway.

Li-ion Tamer GEN 3 system is highly scalable and can be configured for cost effective protection for a wide range of lithium-ion battery storage installations. It provides multi-point temperature and humidity measurements for improved situational awareness/ environmental control and its simplified installation (daisy-chain connections between sensing nodes) reduces cabling material and setup time.

The system includes the following components:

- Controller
- Sensors (Monitoring and Reference)
- Hub (Power over Ethernet (PoE) or Direct Power)
- PoE & Ethernet Switches
- Relay Module
- Power Supply
- Cabling



Why Would Customers Be Interested in Li-ion Tamer GEN 3?

- Ensures business continuity and minimizes damages in Battery Energy Storage Systems (BESS) by providing the earliest possible warning of lithium-ion battery failures
- Detects the venting of battery electrolyte solvent vapours earlier than conventional smoke/gas detection systems
- Highly scalable deployment for cost effective protection of a wide range of BESS installations
- Provides a granular temperature and humidity measurements (at each sensing node) for enhanced situational awareness and environmental control
- Provides rack-level detection and addressability allowing immediate and targeted response
- Prevents false positive alarms by using referencing
- Low maintenance with calibration-free sensors, extended sensor life and simplified “bump” testing regime
- Compatible with all lithium-ion battery from multiple factors and chemistries

Key Applications

- Gigafactories
- Renewables, Power Utilities (energy storage)
- Data Centers, Telco, Industrial, Institutions (uninterrupted power)
- Manufacturing-Gigafactories (battery assembly lines, formation process, cell aging, EO-Line testing, storage)
- Recycling (recycling processes, EO-Life storage)
- Automotive (car parks charging bays, vehicle test facilities)
- Laboratory Safety

What Materials Are Available?

- Technical Data Sheet
- User Manual
- Engineering Specifications
- Bump Test Kit Application Note
- FAQ
- Product Brochure

Ordering Information

The complete list of Li-ion Tamer GEN 3 ordering information is shown below:

| ORDERING CODE | DESCRIPTION |
|---------------------------------------|---|
| LT-SEN-M3 | Monitoring Sensor, Gen 3 |
| LT-SEN-R3 | Reference Sensor, Gen 3 |
| LT-ACC-HUB-PWR-HON | Hub, Direct Power, Gen 3 |
| LT-ACC-HUB-POE-HON | Hub, PoE, Gen 3 |
| LT-ACC-HUB-MKT | Hub DIN-Rail Mount Kit |
| LT-CTR-SML | Controller, Gen 3 |
| LT-CTR-SML-DMK | Controller DIN-Mount Kit |
| LT-ACC-POE-4, -24 | Ethernet Switch, PoE, 4 and 24 Ports |
| LT-ACC-POE-24-ADR | PoE Switch 24 port, IEC Power Adapter |
| LT-ACC-ETS-5, -8, -16 | Ethernet Switch, 5, 8, and 16 Ports |
| LT-ACC-ERO-16 | Ethernet Relay Module, 16 Ports |
| LT-ACC-ERO-MKT | Relay Output DIN-Rail Mount Kit |
| LT-ACC-PWR-12, -48 | Power Supply, 12VDC and 48VDC |
| LT-ACC-SAK | Spare Kit - 4xTerminator 1xScrew Terminal Adapter |
| LT-ACC-NCL-3, -5, -10, -25, -50, -100 | 3, 5, 10, 25, 50, 100 (ft) Network Cable |
| LT-ACC-TST | DEC Bump Test Bottle |

Important Note: *Previous Li-ion Tamer GEN 3 BOMs communicated to the field with the aim to assist with budgetary purposes might have inaccurate information. It is imperative that any Li-ion Tamer GEN 3 BOMs provided prior to the launch of the product be reviewed for validity*

Learn More

To learn more about Li-ion Tamer GEN 3, please check out its online landing page here:

<https://buildings.honeywell.com/us/en/brands/our-brands/li-ion-tamer>

For further information, please contact your regional Honeywell Sales and Technical teams.

Honeywell

<https://buildings.honeywell.com/us/en/brands/our-brands/li-ion-tamer>

LS10443-451LT-E Rev A- 01/2026