Honeywell

Li-ion Tamer Sensor

Multi Output Solution (MOS)

Product Bulletin

Jan 2026

Overview

Following the launch of Li-ion Tamer product line in 2020, Honeywell is further enhancing this portfolio with the introduction of the new Li-ion Tamer Sensor MOS (LT MOS) for the protection of lithium-ion Battery Energy Storage Systems (BESS).



The LT MOS is a device that detects the initial venting of battery electrolyte solvent vapours (off-gassing phase) that occurs early in the failure mode of lithium-ion batteries. The early detection of such events allows proper mitigation steps to be taken to avoid a catastrophic thermal runaway failure. It also detects hydrogen and carbon monoxide gases, which are generated during thermal runaway of lithium-ion batteries. The detection of these gases allows proper management of flammable gas accumulation to avoid explosive conditions.

System Configuration

The LT MOS is a single sensor deployment solution that provides cost effective protection for small footprint lithium-ion battery installations (modular, small containers, individual battery racks, etc.).

In a typical setup, system configuration will consist of the following:

- **Off-gas sensor** installed at the battery racks or cabin – downstream convective airstreams – to detect the venting of gases (battery electrolyte vapours, hydrogen and carbon monoxide)
- **Interface Module** that monitors the status of the off-gas sensor with output signal integration capability

The LT MOS is designed to be plug-and-play and provides 3 relays (Alarm, Fault), CANBUS and MODBUS output signals.

Why Would Customers Be Interested in LT MOS Solution?

- Ensures business continuity and minimizes damages in 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
- Cost effective protection of small footprint lithium-ion BESS installations
- 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

- Renewables, Power Utilities (energy storage)
- Data Centers, Telco, Industrial, Institutions (uninterrupted power)
- Recycling (recycling processes, EO-Life storage)
- Automotive (vehicle test facilities)
- Laboratory Safety

Ordering Information

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

ORDERING CODE	DESCRIPTION	REMARKS
LT-SEN-MOS	Li-ion Tamer Sensor MOS	Comprises LT-SEN-M and LT-SEN-IM-UL
LT-SEN-MOS-C49	Li-ion Tamer Sensor MOS-C49	Comprises LT-SEN-M-C49 and LT-SEN-IM-UL

Spare Parts

ORDERING CODE	DESCRIPTION
LT-SEN-IM-UL	Li-ion Tamer Interface Module – UL
LT-SEN-M	Li-ion Tamer Gen 2+ Sensor
LT-SEN-M-C49	Li-ion Tamer Gen 2+ Sensor-C49

What Materials Are Available?

- Technical Data Sheet
- User Manual
- Engineering Specifications
- FAQs
- Product Brochure
- Application Notes

Learn More

To learn more about Li-ion Tamer MOS instructions, 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.