

MUNICH ELECTRIFICATION

1500 V SMART BATTERY SENSOR (SBS)



*"Our 1500 V BMS offers elevated performance,
safety and assures reliability."*

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DURABILITY

Maximum uptime due to over the air update capability and A/B swap (flashing during operation)



MECHANICAL DESIGN

High voltage interface with up to 1550VDC



ALGORITHMS

SoC and SoH algorithms are optimized for stationary use case with little to no contactor off-time for recalibration



COMPANION PRODUCTS

A telematic control unit can be offered as a companion product for the BMS for remote monitoring and controls



HOUSING

Housed (IPxx) and unboxed options available

1500 V
SBS



- Designed for 1500 V applications such as marine and ESS
- Advanced battery management algorithms for optimal energy efficiency without any need of downtime
- Battery Management safety functions up to ASIL D
- BMS allows to install up to 100 strings in parallel
- Reinforced insulation HV/LV
- First SOP planned for Q3/2024



MUNICH ELECTRIFICATION

ABOUT US

CONNECTED MOBILITY AND CLEAN ENERGY STORAGE TECHNOLOGIES TO CREATE MEANINGFUL IMPACT ON EVERYONE'S LIFE.

COMBINING SILICON VALLEY'S SPIRIT, PACE AND AMBITION WITH GERMAN ENGINEERING EXCELLENCE, WE STRIVE TO BE A DISTINCTIVE LEAD SUPPLIER FOR THE ELECTRIFIED AUTOMOTIVE WORLD AND BEYOND.



GLOBAL CUSTOMER BASE:

Leading automotive OEMs and fast-growing e-mobility newcomers



VERSATILE AND RELIABLE BMS

platforms for automotive series applications



FOUNDED IN 2014

Founded in 2014 by industry experts in the field of electric mobility, automotive batteries and electronics



MANAGEMENT OWNED

Fully owned by founders, profitable and stable since the first year, constant organic growth through healthy cashflow



MUNICH ELECTRIFICATION GMBH

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MUNICH ELECTRIFICATION

WHY TO WORK WITH US

01

WE ARE

- Highly motivated, exceptional young engineers from our international team.
- We are devoted to fast-pace innovation & quality-focused agility to shape the future of electric vehicles. One of our key strengths is our electric powertrain system know-how.
- Our fast-growing staff has contributed in major positions to the world's best electric vehicles. By being fully familiar with the crucial requirements on the battery side we know what it takes to develop a successful EV powertrain.

02

WHAT WE DO

- We develop and produce world-leading battery management systems regarding safety, features and cost.
- Our products stand out for function-integration, scalability, variant handling, space and weight. They are being used worldwide in multiple series production programs.
- Our fields of expertise also include the entire scope from embedded software development to model-based functions and advanced high-level algorithms for various cell chemistries (LFP, MNC, NCA).

03

OUR VALUES

- We are technology-driven and committed to developing cutting edge products.
- We are devoted to design products and advancing technological solutions that reflect sustainability in every facet.
- By thinking like owners, our employees guarantee the strong customer focus and ensure the long-term success of ME.
- Cooperativeness, open communication and transparency constitute our ME work culture. Diversity and loyalty define our team spirit.