

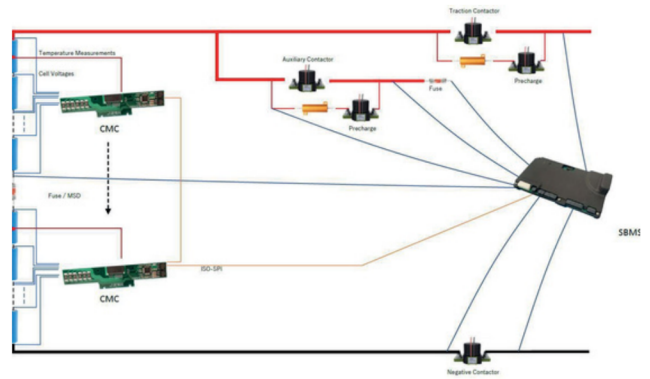
**FPT ePowertrain solutions**

Innovation and sustainability have always been fundamental characteristics of FPT Industrial. In order to remain at the forefront of technological advancements and effectively respond to market needs, the Brand created ePowertrain department in 2018 and opened a dedicated ePowertrain Plant in Turin (Italy) in October 2022. With main hubs based in the R&D centers in Arbon, Switzerland, Coventry, UK and Turin, Italy, the ePowertrain department is focused on developing the powertrains of tomorrow, today. Being a global leader means setting new targets that grow more challenging every day. To reach them, we have drawn on our expertise along with the best innovative start-ups worldwide, through partnerships, acquisitions and joint ventures. Now, we can proudly display the results, showcasing our full range of eDriveline and Battery Storage and Management solutions.

**Battery Management solution**

FPT Industrial’s commitment to high-performance and reliable electrification solutions for transport is rounded off by a state-of-the-art Battery Management System, customized to achieve the longest battery life for individual mission requirements, thanks to the acquisition of Potenza Technology.

**Structure**



**Specifications**

|   |  |
|---|--|
| <b>Model:</b>                             | eBM 5  |
| <b>Type:</b>                              | Battery Management System                                    |
| <b>High Voltage range (V):</b>            | 8 to 1.000   |
| <b>Low Voltage range (V):</b>             | 6 to 32  |
| <b>Isolation fault measurements (MΩ):</b> | 1 to 10  |
| <b>Operating Temperature (°C):</b>        | -40° to +85°   |
| <b>Safety standards:</b>                  | ISO26262 (ASIL C*), Isolation test, HVIL & HV Cyber Security |
| <b>Software - multipack support:</b>      | 1-9 packs in parallel  |
| <b>Cell balancing:</b>                    | Passive  |
| <b>SOx Algorithms:</b>                    | SOC, SOH & SOP   |

**ENERGY STORAGE - BMS**



*Subpack Battery Management System - SBMS*



*Cell Monitor Circuit - CMC*

IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE [WWW.FPTINDUSTRIAL.COM](http://WWW.FPTINDUSTRIAL.COM)

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

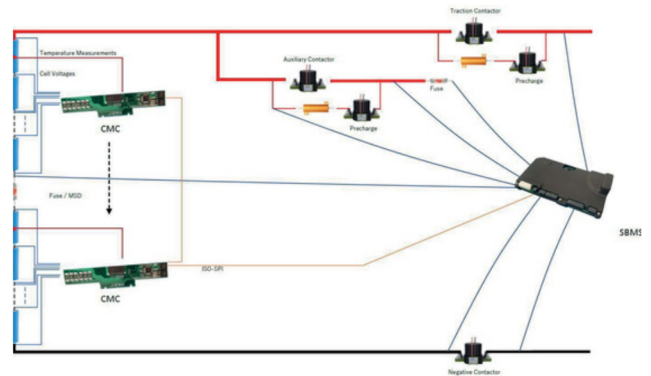
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| <b>Isolation fault measurements (MΩ):</b> | 1 to 10  |
| <b>Operating Temperature (°F):</b>        | -40° to +185°  |
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