



Introduction

The Wattius wBMS-HX is a Battery Management System product family designed for applications up to 1.500 V and provides reinforced isolation for all external interfaces according to IEC60664. The wBMS-HX CMU12 is the 12-cell Cell Monitoring Unit of the HX family, **compatible with both wBMS-MX BMU and wBMS-HX BMU.**

This CMU features the latest battery monitoring technology, state-of-the-art measurement performance with a maximum cell voltage error under 1,5 mV across the range, **high-current balancing** up to 1A and multiple safety features like cell open-wire detection.

Models available with both Molex or RJ45 connectors for communication interface.

Technical Specifications

Cell measurements (voltage & temperature)	Multiple cell chemistry and supercapacitors. Extended internal redundancy and hardware integrity diagnostics. Open wire detection.
Cell voltage	5 - 15 cells. 0 - 5 Vdc. ± 1,5 mV cell voltage max total error.
Cell temperature	Up to 5 channels. Configurable NTC. ± 1°C cell temperature max total error.
Balancing	Autonomous. Configurable. Up to 1.000 mA per channel.
Operating temperature range	-40 to +85 °C

