

PRODUCT SHEET

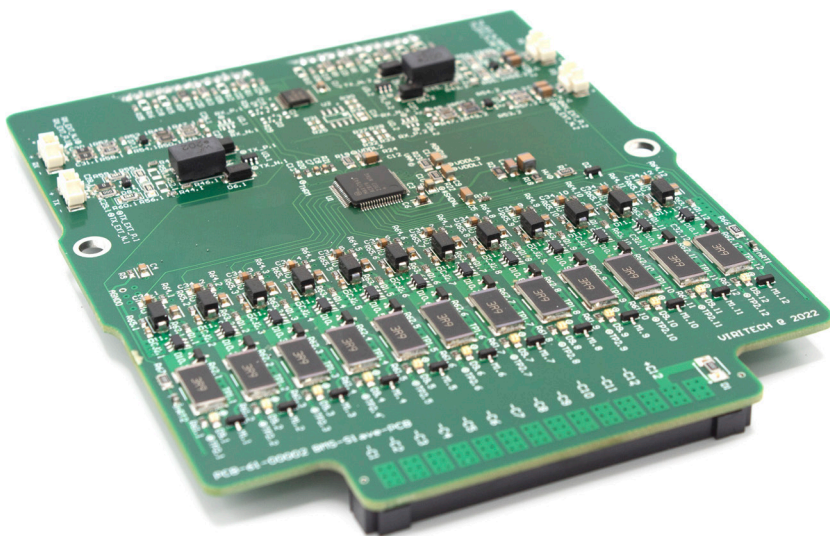
BMS - Module Level Unit

P061Q-0002-00
OVERVIEW

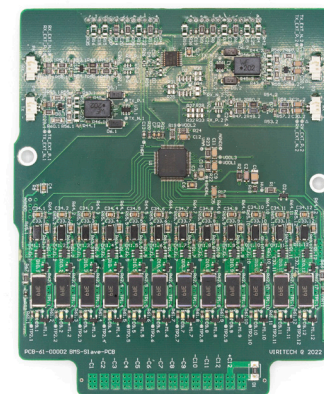
The Module Level Unit is part of the Viritech Battery Management Ecosystem and provides a cell level interface to the larger battery management system. The module level unit supports 12 temperature inputs and 12 voltage inputs along with 1 Amp balancing current capability. Connection to the individual battery cells is via the Cell Interface Board allowing for rapid spin up of new battery pack designs with standardised control hardware.

KEY POINTS

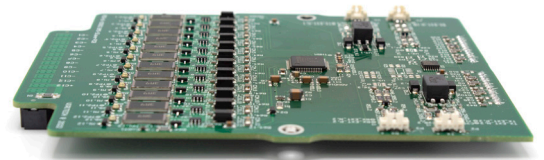
- 12 Voltage Inputs
- 12 Temperature Inputs
- Quick Connect To Viritech Cell Interface Board
- 1 Amp Balancing Current
- >250hz Sample Rate Capability



Front view



Top view



Side view



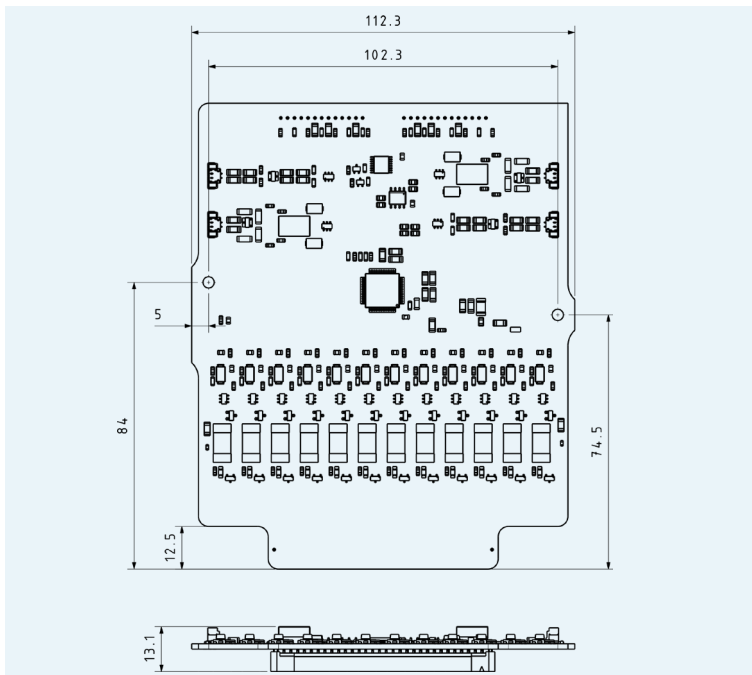
View this product on our website at www.viritech.com/bms

PRODUCT DESCRIPTION

The Module Level Unit is part of the Viritech Battery Management Ecosystem and provides a cell level interface to the larger battery management system. The module level unit supports 12 temperature inputs and 12 voltage inputs along with 1 Amp balancing current capability. Connection to the individual battery cells is via the Cell Interface Board allowing for rapid spin up of new battery pack designs with standardised control hardware.

Each module level unit supports the advanced SoX algorithms (charge, health, power, energy) present in the Viritech BMS Controller whilst communicating with the controller via a proprietary databus that supports a sampling rate of over 250hz allowing for accurate per cell management within a high performance battery pack.

TECHNICAL DRAWING



TECHNICAL INFORMATION

Temp Sensor Measurements	12
Voltage Measurements	12
Sampling Rate	>250 Hz
Balancing Current	1 Amp
Supported Cell Chemistries	Multiple: NMC, LFP, LTO etc.
Unit Connector	1 X 60 Way
SoX Algorithms	Charge, Health, Power, Energy via BMS Controller
Mating Connector Available	Yes
Configuration Comms	B-Sample - USB
OEM Branding Available	Yes
OEM Part Numbering	Yes
Vehicle Communications	CANBus via BMS Controller
Local Market Manufacturing Option	Yes
ASIL Compliance	ASIL D In Volume As Part Of Full BMS
IP Rating	Dependant On Module Housing
Available Volumes	1 to 000's
Length Excluding Connector	137 MM
Width Between Mountings	112 MM
Height	13 MM

PRODUCT ORDERING

Please contact sales@viritech.co.uk to discuss your system and vehicle integration requirements for this product.