

Multi battery cells emulator

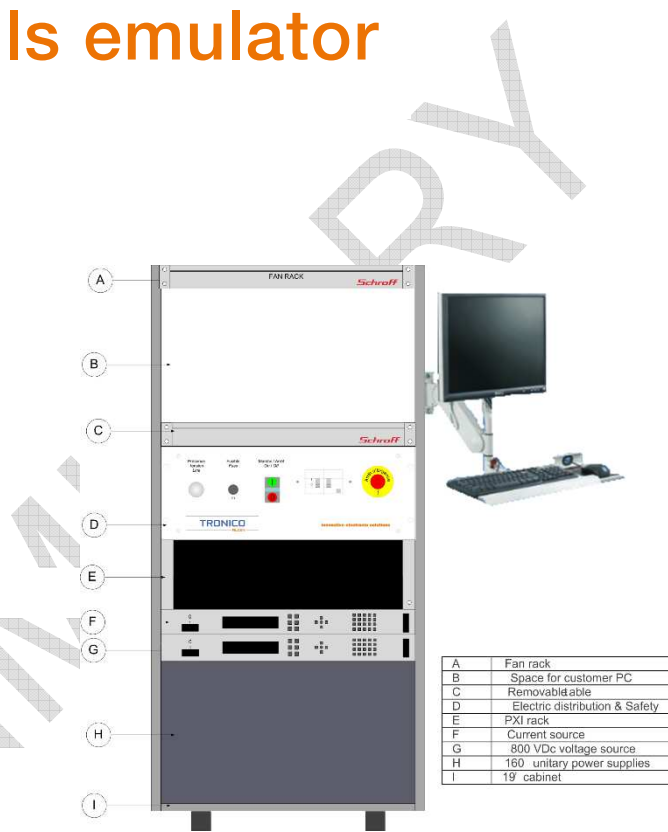
BCES-0160-01

FEATURES

- 160 Independent 4,7 V 200 mA programmable voltage sources
- Based on PXI rack
- CAN - Ethernet - GPIB
- Two 24 VDC outputs
- Two loads for fans emulation
- Two loads for CTN emulation
- Precision GPIB Current Source
- 800 VDC GPIB Voltage Source
- 19 inch cabinet

APPLICATIONS

- HIL BMS process
- Multi voltage sources emulation
- Ideal to achieve BMS software development :
 - No energy engaged
 - No danger
 - Easy reconfiguration
 - Cell level operation
- Automated test of BMS



SPECIFICATIONS

SYSTEM	MIN	TYP.	MAX	UNITS
Nb of serial channels			160	
Common mode Voltage range			720	V

5V MODULES (CELLS EMULATION)	MIN	TYP.	MAX	UNITS
Voltage range	0.5		4.5	Vdc
Voltage step		10		mV
Open Circuit Voltage accuracy		1	5	mV
Current range	0		200	mA
Current Accuracy				
- 200mA range			1	mA
- 2mA range			0.01	mA

INTERFACE

Input connector	According to PXI modules
Output connector	According to PXI modules
CAN 2.0 bus speed	According to PXI modules

MECHANICAL DATA

	L	W	H	UNITS
Dimensions	553	600	1567	mm

ENVIRONMENT DATA

Galvanic insulation between input/output (1min test)	2700 kVdc
Operating temperature	10°C / +40°C
Safety Approval	IEC60950 compliant
Other	Pb-free reflow compatible and ROHS compliant

TYPICAL APPLICATION (simplified example)

