

SPECIFICATION SHEET FOR BATTERY CELL SIMULATORS

So that we can provide you with the most accurate quote possible, please answer the following questions about your technical requirements.

Company:		Department:	
Address:	Pos	stal code and city:	
Country:			
Technical contact			
Name:	Email:	Phone:	
Procurement contact			
Name:	Email:	Phone:	
Industry: □ EV manufacturer □ BMS ma Activity: □ Research □ Develop			
☐ Enhanced fault simulation (measud) Connection to test unit:	r active balancing? A µA measurement □ Fau Iring leads to BMS)	ult simulation (disconnection, short circuit, reversed polarity) x □ Break-out box (lower precision)	
2. Temperature simulation How many temperature channels do you Optional fault simulation (short circ		channels	
3. Insulation resistance Emulation of insulation resistance for	channels		
 4. BMS current measurement ☐ Shunt emulation (-150 mV to +150 n ☐ Current sensor emulation (-6 V to +6 ☐ Real current sensor; required curren 5. Housing 	5 V)		
☐ Rack system ☐ Tabletop system ☐ Integration in customer's rack/tablet	op system		

Continue on other side.



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6. Power supply (test bench)		
a) Voltage/current available in lab:		
Supply voltage:V	Current:A	
☐ 1-phase	☐ 3-phase	☐ with N
☐ Other:		
b) Emergency stop switch		
☐ Yes ☐ No		
c) Insulation monitoring		
☐ Yes ☐ No		
7. Control and communication sof	tware	
a) Software in use:		
☐ PEAK PCAN	☐ Vector CANoe	□ NI LabVIEW
☐ MATLAB tool	☐ dSpace ControlDesk	
☐ Other:	· 	
b) Will you need a starter project?		
☐ for PEAK PCAN	☐ for Vector CANoe	☐ for NI LabVIEW
☐ for other MATLAB tools		
☐ for the following software:		
c) Additional interfaces (CAN is incl		
☐ EtherCAT		
☐ Other:		
8. Integrated test bench Is an integrated test bench planned ☐ Yes, with EVCC ☐ Yes, other:	□ No	
9. Project information		
a) When is the project scheduled to		
b) What is your project budget? €/\$		_
□ < 50,000 □ 50,000 to 10		
c) Is there a requirements specifica	tion? (If yes, please specify.))
☐ Yes ☐ No		
e) Is a third party or end customer i	involved in this project?	
☐ Yes ☐ No	t	
If yes, who is the third party or end	customer?	
10. Is an expansion planned in the	future?	
\square Yes, see the system design. Ul	timately cells are pla	nned.
□ No		
11. Other requirements		