

# Specification Sheet for BCS-Systems

comemso

In order to provide you with the most accurate quote possible, please answer the following questions about your technical requirements.

Fill in the grey boxes, save the document and send it back to us.

Contacts

Company   
Street   
Country

Department   
Zip Code / City

## Technical contact

Name   
E-Mail   
Phone

## Sales contact

Name   
E-Mail   
Phone

## Industry

EV-Manufacturer  BMS-Manufacturer  Chip-Manufacturer  
 Integrator  Other

## Area

Research  Development  Production / End-of-Line  
 Other

Project Specification

## 1. Cell-Simulation/ -emulation

Number of Cells   
Maximum Cell Voltage (V)   
Cell Voltage accuracy (DUT Side)   
Balancing Typ   
Balancing Current (A)

### Extra Features

Coulomb-counting   $\mu$ A-Measuring  
 Simulation of noise effects  
 Fault Simulation - Disconnection, Short Circuit, Reverse Polarity  
 Enhanced fault simulation (cable break to the BMS)

## 2. Temperatur simulation

Number of Temperature Channels   
 Fault Simulation (short circuit, cable break)

## 3. Insulation resistance simulation in the HV-range

Number of insulation resistance channels

## 4. BMS current sensor simulation

Shunt emulation (-150 mV to +150 mV)  
 Hall effect sensor emulation (-6 V to +6 V)

## 5. Housing

Rack system  Tabletop system  
 Integration in customer's rack/tabletop system

## 6. Power supply (test bench)

a. AC grid voltage/current available in lab   
Supply voltage (V)  current (A)   
 1-phase  3-phase  with N

b. Emergency stop switch  yes  no

c. Insulation monitoring  yes  no

## 7. Control and communication software

Integration into existing software is planned  yes  no  
If yes, supported interfaces  CAN  Ethernet  EtherCAT  
Comemso software with GUI and Rest-API  yes  no

## 8. Test bench

Integration planned  yes, with EVCC  yes  no

## 9. Project informations

a. Scheduled project start

b. Project budget   
 < 50.000 €  50.000 € - 100.000 €  
 100.000 € - 200.000 €  >200.000 €

c. Existing Specification sheet  
 yes   no

d. Expansion in the future  
 yes, planned cells   no

## 10. Other requirements

If you need help to fill out the formular, our sales engineers are happy to assist. Please contact us: [sales@comemso.de](mailto:sales@comemso.de)