



# Brick<sup>®</sup> 2.5 Interchangeable System

## Technical Datasheet



48V | 2,5 kWh | 15,5kg\*

A variety of configurations possible

\*All technical data dependent on  
HV Fuse, connector, DoD/SoC and cooling

### Developed according to automotive standards

- Developed according to ISO 26262 and IATF 16949, optional up to ASIL B / SIL 2 (48V)
- Safety-tested (i.e. ECE R10, UN 38.3, ECE R100)
- Protection class IP 67 (IP 68 available upon request)
- SoC / SoH monitoring
- Short circuit protection at cell and system level
- Voltage monitoring at cell level
- Passive cell balancing
- Functional monitoring via robust, innovative, tested BMS
- Energy tracking, end-of-life prediction and residual value determination through connection to the SCIO cloud

### Powerful. Compact. Modular.

- Freely scalable system (up to 6 modules in parallel)
- High power and energy density
- Compact and lightweight
- Significant weight reduction due to optimized cell layout
- Durable solution and maintenance-free operation
- Perfect integration into the system network (CAN interface)
- Robust housing with LED SoC display and pressure equalization vent for demanding applications
- Excellent pricing due to patented, highly automated manufacturing processes
- Swap system enables quick and efficient handling

# Technical Data SCIO Brick® 2.5 Interchangeable System

System voltage	48 V		
Number of bricks	1	2	3
Capacity	50 Ah	100 Ah	150 Ah
Energy	2,5 kWh	5,0 kWh	7,5 kWh
Cell technology	Li-Ion NMC		
Nominal voltage	51,5 V		
Voltage [max.]	58,5 V		
Voltage [min.]	42 V		
Discharge current [max.]	140 A	280 A	420 A
Discharge current [nenn.]	50 A	100 A	150 A
Charging current	25 A	50 A	75 A
Number of cycles	1.500 - 3.000 cycles		
Ambient temperature	-20°C - 50°C		
Recommended ambient temperature	0°C - 45°C		
Protection class	IP 67		
Weight	15,5 kg	31 kg	46,5 kg
Dimensions [L x W x H] in mm	397 x 220 x 92	397 x 220 x 184	397 x 220 x 276

## Available options

Docking station / frame
Handle
Wire harness
Connector set
Charger 48V

## Contact information

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