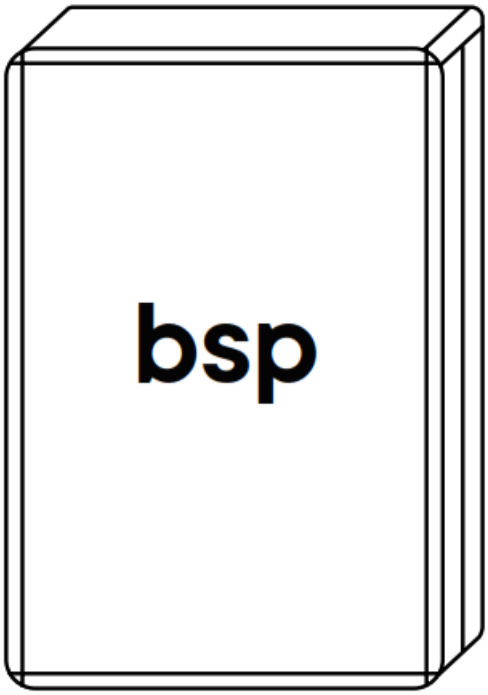
STUDER bsp Battery Status Processor Instruction Manual

quick guide bsp
Battery Status Processor
Instruction Manual



swiss made power

5 **designed and assembled by studer in Switzerland**

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Introduction

Congratulations !
You are about to install and use a high-end equipment that will play a central role in the energy management of your battery-based system. The bsp is a battery status processor for advanced monitoring of lead-acid batteries within an xtender system. This device has been designed, manufactured, assembled and tested in our factory in Switzerland. It has a 5-year warranty.

General Information

Exclusion of liability
Studer disclaims all responsibility and liability for damage, costs or losses resulting from an installation that does not comply with the instructions, a faulty operation or inadequate maintenance. The use of studer equipment is in any case under the responsibility of the customer.


Read carefully the safety and operation instructions

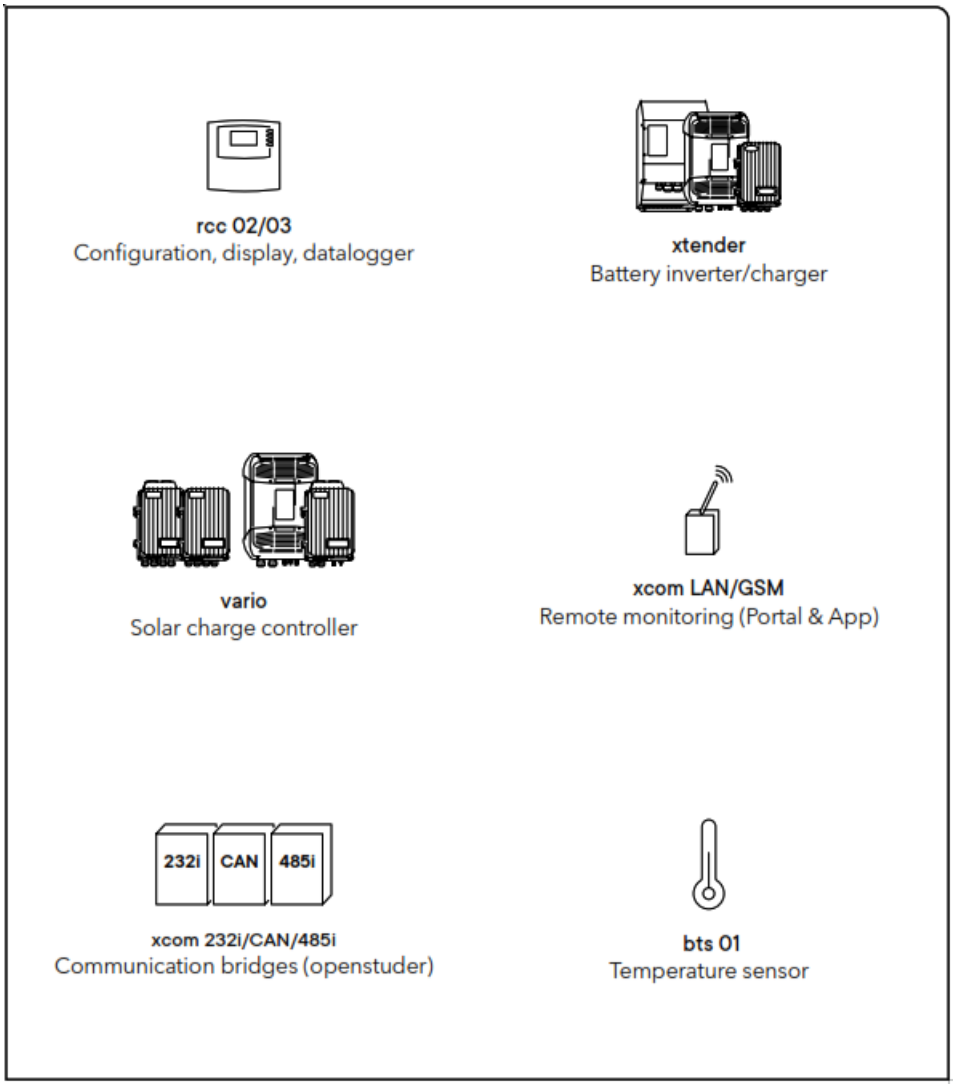

Installation must be entrusted to qualified personnel


Check the user manual online

Need help ?

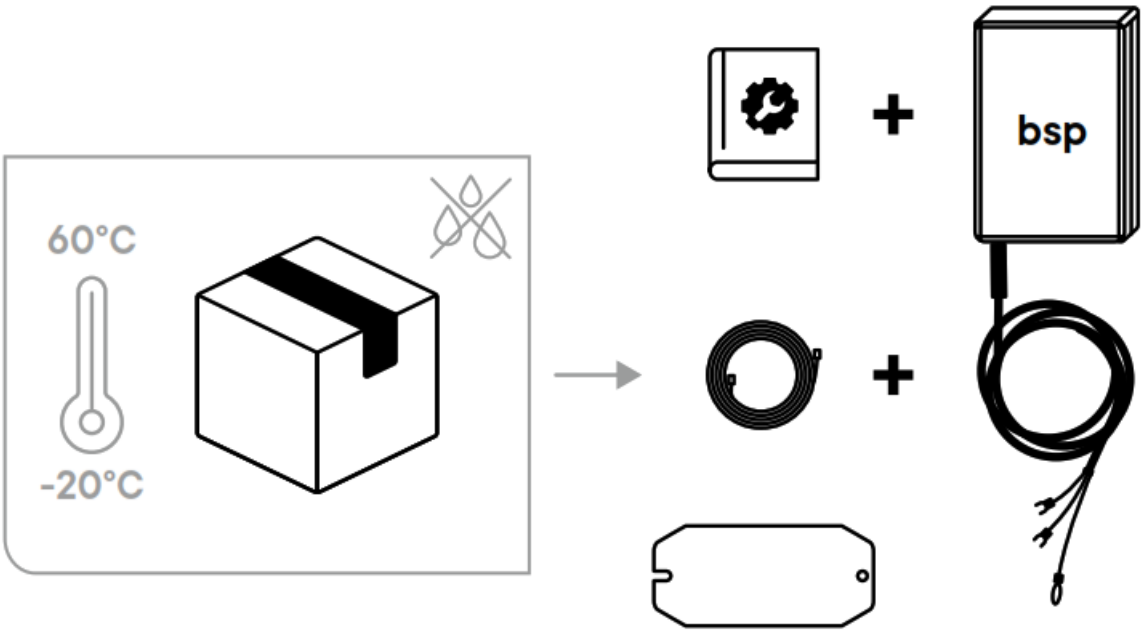
https://eqrcode.co/a/Ecznzt

Compatible with :



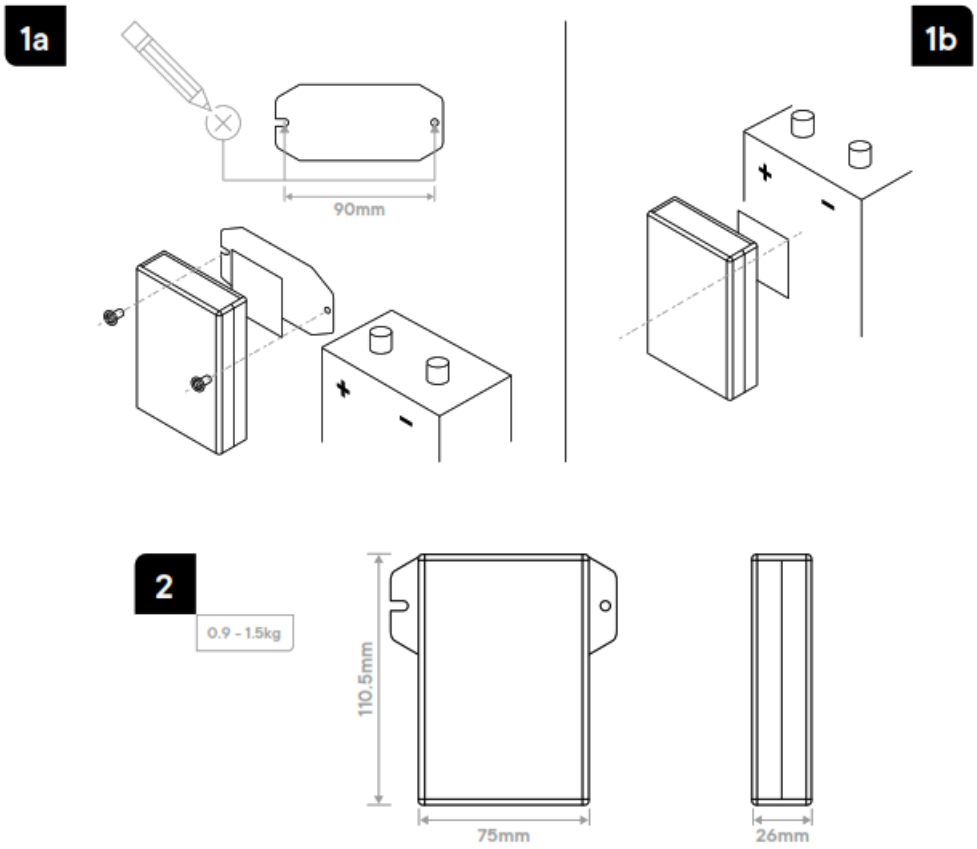
Mounting and installation

Storage and content

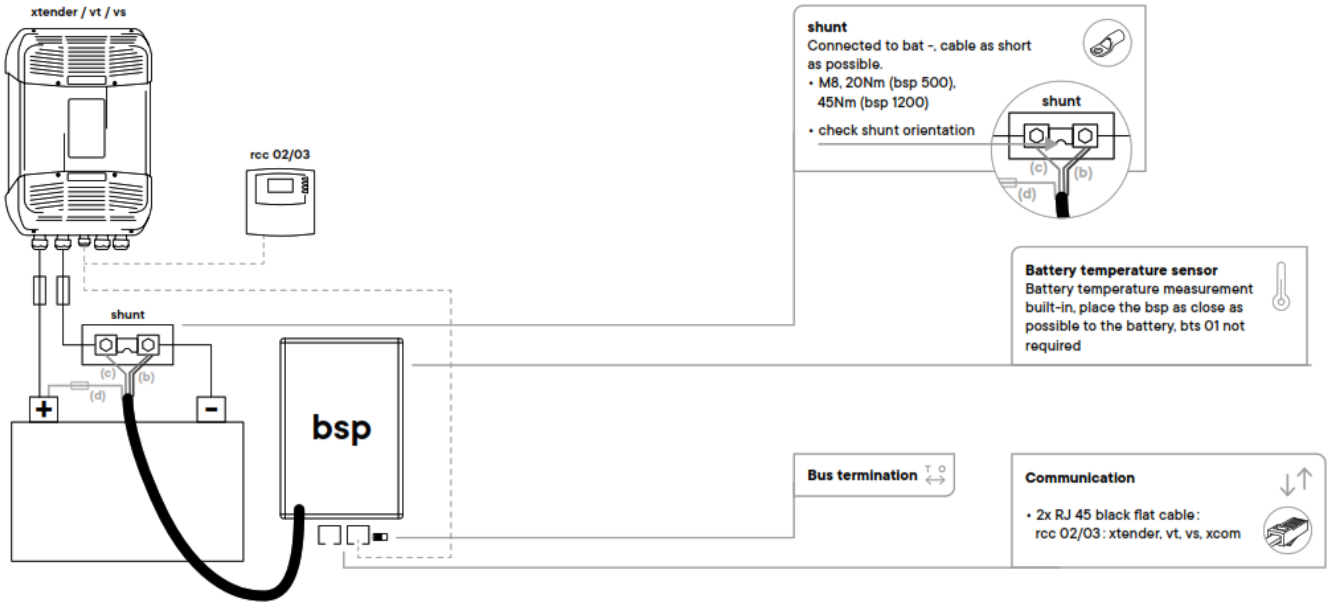


Mounting place
The bsp should only be installed by qualified personnel.

Fixing and dimensions



Wiring



⚠ The device must be installed in accordance with local standards and regulations in force.

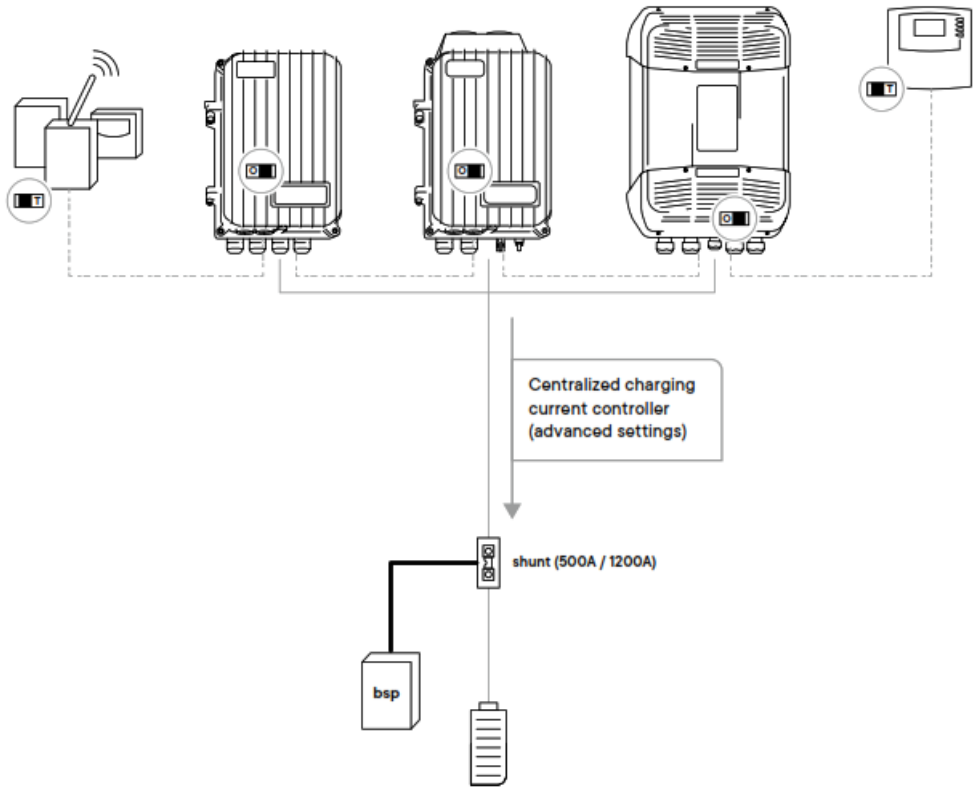
Measurement cables

Cables included :

- black&yellow (b) to shunt, confirm orientation
- blue (c) to shunt, confirm orientation
- red (d) to bat +, fuse included (500mA)

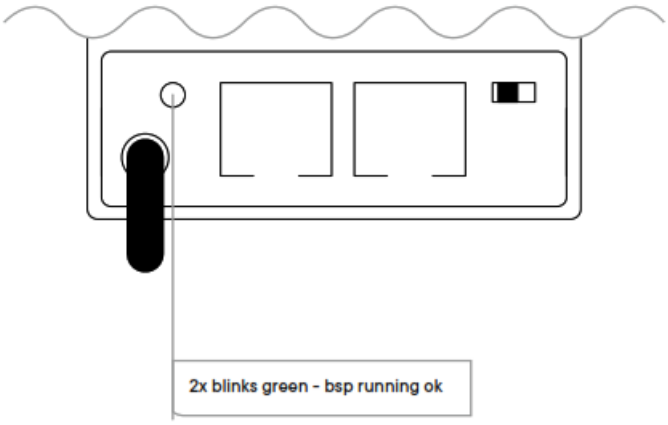
Multi units and power up

1. bsp per system

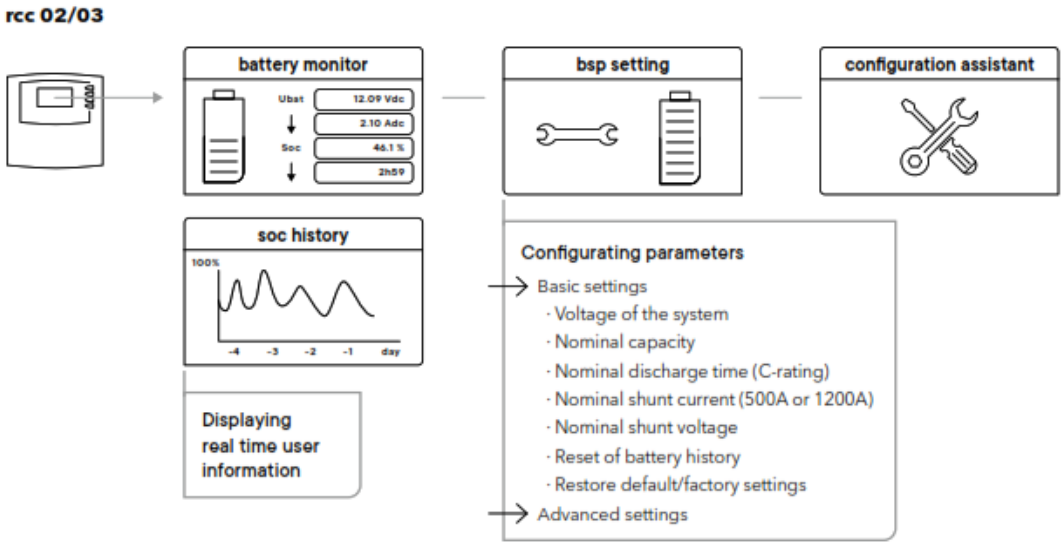


Display

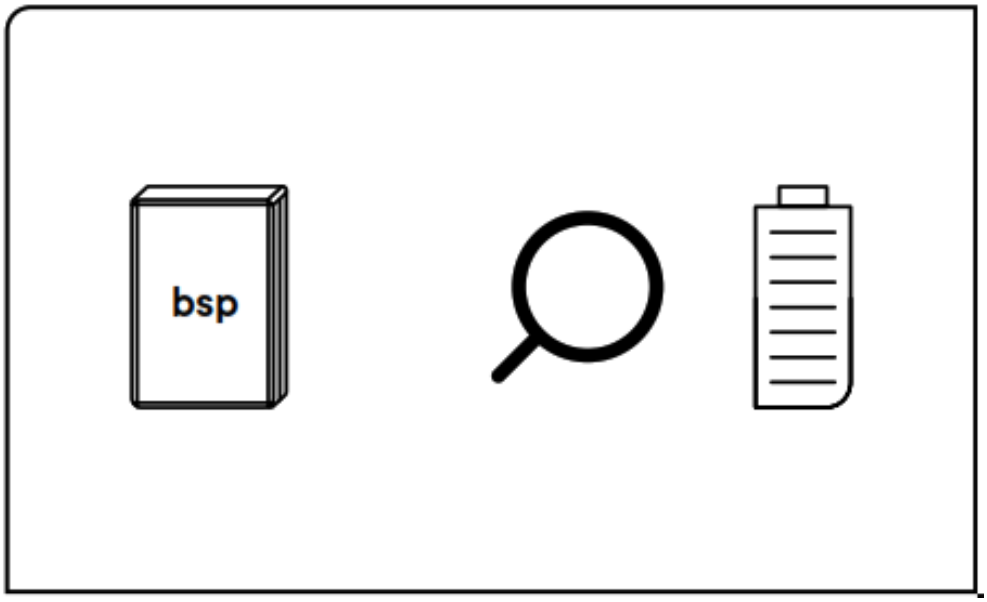
Display system



Configuring the xtender



Technical data



CE IP 20

Supply voltage range	7 … 85Vdc
Supply current	9 mA @ 12V 5 mA @ 24V 3 mA @ 48V
Input voltage range	7 … 85Vdc
Shunt measurement input range	± 195 mV
RMS continuous current @ 25°C	± 500 A (bsp 500) ± 1200 A (bsp 1200)
Maximum measurable peak current	± 1950 A (bsp 500) ± 4680 A (bsp 1200)
Voltage measurement accuracy	0.30%
Current measurement accuracy	0.50%
Battery capacity	20 … 20000 Ah
Operating temperature range	-20 … 55°C

Maintenance and recycling

Maintenance and recycling

Except for the periodic check of the connections (tightening, general condition), the bsp does not require any particular maintenance. To dispose of this product, please use the service for the collection of electrical waste and observe all obligations in force in the place of purchase.

Serial Number :……..

Installed by :……..

Date :……

Signature :……..

Call our specialists +41 27 205 60 80
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Documents / Resources

	**STUDER bsp Battery Status Processor** [pdf] Instruction Manual bsp Battery Status Processor, bsp, Battery Status Processor, Status Processor, Processor

References

- **Testseite für grautvornix.de**
- **Assistance | STUDER**