

# WPC-BSI 500

Recreational vehicles • Commercial trucks • Marine applications • Remote homes • Industrial systems



Datasheet

Your battery tank level monitor, all battery information at a glance



## Whisper Power Centre Battery Monitor Interface

Essential device for a complete DC power system read-out

- To be used with WPC-PSCP panel
- Accurate energy monitoring of your battery bank
- No sudden empty battery: precise 'time remaining' indicator (hrs, min)
- Calculation of ampere hours consumed
- State of charge indicator in %
- Various programmable alarms
- Easy to use, plug and play installation
- 500A - 1200A Shunt



smart energy solutions



Parameter Art. Nr.	WPC-BSI 500 60201082
<b>Technical specifications</b>	
Supply voltage range	7.85 VDC
Supply current	9 mA @ 12V 5 mA @ 24V 3 mA @ 48V
Input voltage range	7.85 VDC
Shunt measurement input range	±195 mV
RMS continuous current @ 25 °C	±500 A
Maximum measurable peak current	±1950 A
Voltage measurement accuracy	0.3 %
Current measurement accuracy	0.5 %
Battery capacity	20..20000 Ah
<b>Readout resolution</b>	
Voltage	±0.01 V
Current (A) and capacity (Ah)	±0.01 (1..10) ±0.1 (10..100) ±1(100..9999)
State of charge	±0.1 %
Temperature	±0.1 °C
Time to go	±1'
<b>Readout information</b>	
Battery voltage, current, state of charge, power used, time to go, battery temperature, Relative Capacity, historical AH data, Total Kah charged, Total Kah discharged, Total time: Charge counting in AH and hr.	
<b>General</b>	
Operation temperature	-20 - +40 °C
Dimensions	110,5 * 75 * 26 mm
Weight	900 g
Protection degree	IP20
Conformity	LVD 2006/95/EC, EMC 2004/108/EC, RoHS 2002/95/ECEN 60950:2005, EN 61000-6-2:2005, EN 61000-6-3:2007

**Battery Status Interface**

One of the most important indicators for a safe and effective operating of an energy system with batteries is their state of charge. The BSI offers, for Whisper Power Centre, a highly precise measuring and an extremely efficient algorithm that calculates the state of charge in the most accurate way.

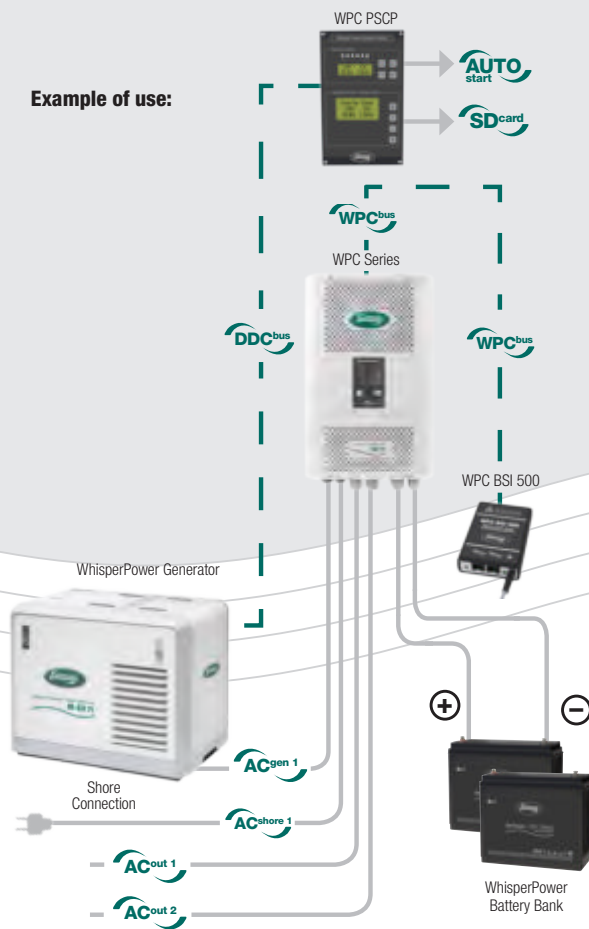
The WPC-PSCP and WPC-RCC provides the display, the data logging, the graphical display of the state of charge history and the settings. Values of the BSI can be used in the programming of the WPC Series.

Values can be displayed like for instance:

- State of charge
- Voltage
- Current
- Time to go
- Throughput energy
- Battery temperature



**Example of use:**



Art. Nr.	Item
60201087	WPC 500A/50mV shunt
60201088	WPC 1200A/50mV shunt

