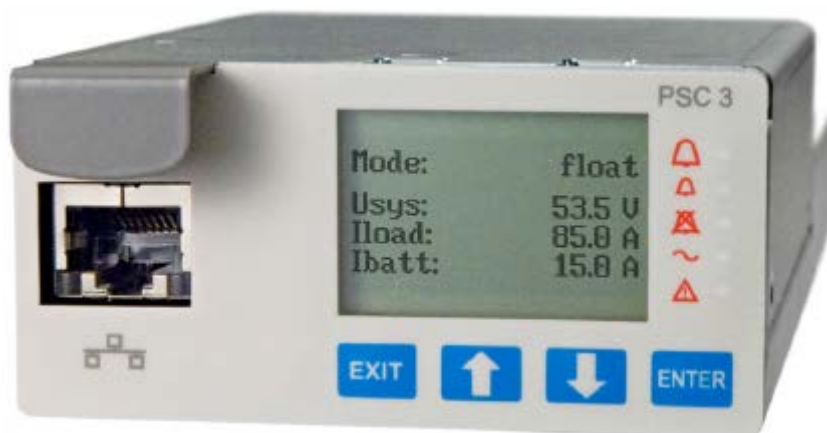


## Power System Controller PSC 3



Illustrative photo

### General Features

- Modular and flexible power system controller
- Integrated WEB server with sophisticated configuration and monitoring possibilities
- Integrated display and keypad
- Remote monitoring with modem or LAN (10/100)
- Integrated PLC (Programmable Logic Controller) for fully flexible system configuration
- Integrated measurements for small systems
- Easy system expansion with Front-End modules
- Digital system bus based on CAN
- Enhanced battery management
- SNMP (optional)
- Energy saving functions
- New alarming concepts
- Monitoring of auxiliary devices

### Applications

- Telecommunication Power System , Control, Security and Industrial technologies

### Description

PSC 3 is a 3rd generation power system controller. This appliance is an optimum solution for small up to very large and complex power systems. It provides basic I/O periphery, a reliable CAN based communication bus and inputs for direct shunt-, fuse- and middle point measurements (depending on the PSC 3 version). While the compact unit itself is able to control small to medium systems without additional modules, for large or more complex systems the capability can be expanded easily by adding Front-End modules which are communicating with the central unit over CAN bus. Enhanced system functions like Efficiency Mode and Genset functions allow the reduction of operating costs. Good battery management with regular capacity tests is one of the key factors when it comes to the usability of a power system. The PSC 3 allows remote monitoring by means of potential-free relay contacts or via modem or LAN / Ethernet. The SNMP offers enhanced remote monitoring, and is designed to work with SNMP software. Integrated WEB server offers a user-friendly interface for detailed control and monitoring using a standard WEB browser.

## Technical data

General	
Safety	EN 60 950, class I UL 60 950 CAN / CSA – C22.2
EMI, radiated	EN 55 022, class B
Compliant with	EN 300 386-2
Cooling	Convection
Mounting direction	All
Protection	IP 20

Power supply	
Voltage range	18 to 75 V <sub>DC</sub>
Maximum current	2.0 A <sub>DC</sub>
EMI, conducted	EN 55 022, class B
Input protection	Internal fuse 2A
Input switch	None

Features (with front-end modules) <sup>1</sup>	
Rectifier interface	Digital, CAN-based
Number of rectifiers	Max. 128
Digital input	4 ÷ 128
Relay output	6 ÷ 99
Temperature	2 ÷ 98
Voltage, current	Max. 99
Display	1 integrated display, up to 2 User interface modules
Local monitoring	LAN / Web browser
Remote monitoring	LAN / Modem / Web browser
Remote alarming	Dry contacts / SNMP
Languages	English + 2 downloadable
Web server access	Up to 4 levels
SNMP management	Standard SNMP manager

Funkcions	
<b>System</b>	
	Float voltage control / Temperature compensation
	PLC functionality (AND/OR/Inv/Filer/RS Latch)
	LVD and PLD functions
	AC measurements (internal/external)
	Real-time clock
	Genset functions
	200 data log entries
	Mains failure detection
	Maintenance functions (Alarm/LVD)
<b>Battery</b>	
	Battery measurements (U/I/T)
	Battery current limit, enhanced
	Battery middle point
	Battery Control (Udiff/Idiff/Tdiff)
	Boost charge
	Equalize
	Battery test, advanced capacity test
	State of charge
	Loss of backup time
<b>Rectifiers</b>	
	Individual rectifier information

Individual rectifier control
Digital load sharing
Sequential startup
Efficiency mode / Energy saving
Rectifier cycling
Power limitation
Charging current limitation
Remote function upgrade

Mechanics	
Height, body	40.4 mm / 1.59 inch
Width, overall	83.5 mm / 3.29 inch
Depth, overall	190 mm / 7.48 inch
Weight	0.56 kg / 1.24 lb

Prostredie	
Operating temperature	0 to +65°C / +32 to +140°F
Relative humidity	95% max. Non condensing

<sup>1</sup> Number and type of inputs / outputs of the central unit depend on the PSC 3 version.

A2B, s.r.o. reserves the right to change any specifications without prior notice.