

Power system controller PSC 1000

The Power behind.



Main features

- Reliable and user-friendly smart controller
- Parameter entry via keypad
- User configurable alarms and settings
- Smart battery management
- Essential functions protected by password

Applications

- Small to medium power systems

Description

The power system controller PSC 1000 is a powerful microprocessor unit intended to supervise and control modular power systems. The product complies with all important requirements and standards of the telecommunication market. The superior features make this controller a prime choice for your telecom power systems.

The PSC 1000 provides a full set of control and supervision functions. This means user configurable alarms and settings, which are well readable on the liquid crystal display with plain text indication. The smart battery management with regularly accomplished capacity tests is one of the key factors for the availability of a power system. The controller allows alarming by means of potential-free relay contacts and remote supervision with modem and the PC based power system manager PSM magic.



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Technical Specifications

General	
Safety	EN 60950
EMI, radiated	EN 55 022, class B
Compliant with	EN 300 386-2
Cooling	Convection
Mounting direction	Vertical
Protection	IP 20

Power supply	
Voltage range	18 ... 75 V _{DC}
Current	50 mA typical
EMI, conducted	EN 55022, class B
Input protection	External fuse 1A
Input switch	None

Features	
Rectifier interface	Analogue
Number of rectifiers	Up to 24
Digital input	Up to 4
Relay output	Up to 7
Temperature	Up to 2
Voltage, current	Up to 5
Display	1 LCD
Local monitoring	RS232 / PSM magic
Remote monitoring	Modem / PSM magic
Remote alarming	4 potential free contacts
Languages	English, Swedish, German, Chinese, Spanish, Finnish, Polish, Italian, Hungarian, French, Catalan

Functions	
Float voltage control / Temperature compensation	
Battery middle point	
Battery block voltage, up to 24	
Battery current limit	
Boost charge	
Equalise	
Battery test	
LVD and PLD functions, up to 3	

User interface	
Status indication	LED «Urgent Alarm» LED «Non Urgent Alarm» LED «Alarm Inhibit» LED «Mains failure» LED «Special mode» LED «In operation»
Keypad	4 keys

Mechanics	
Height, body	180 mm / 7.09 inch
Width, overall	116 mm / 4.57 inch
Depth, overall	30 mm / 1.18 inch
Weight	0.4 kg / 0.88 lb

Environment	
Operating temperature	-5 ... +50°C / +23 ... +122°F
Relative humidity	95 % max., non condensing

Accessories	
COBOMO	Connector board

Subject to change due to technical progress.