

Controller module -SC501

SC501



Key Features

- **Communication**
RS485, TCP/IP, CAN, USB.
- **BMS**
Application in Lead-acid battery, Li-ion batteries and LiFePO4 battery.
- **Excellent EMC performance**
- **Global approvals**
Controller supports CE, UL, and TUV authentication

Product Description

The controller is a powerful and cost-effective module, developed for monitoring and controlling a wide range of DC power supply systems.

You can also operate the system locally via a PC using the PC application, or remotely via modem, Ethernet and the Web. The module then utilizes the USB.

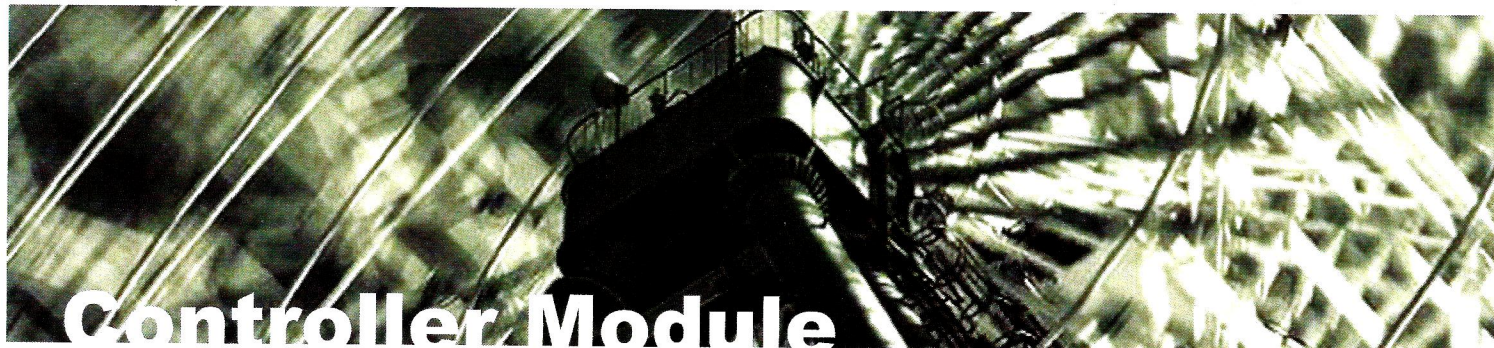
Applications

- Wireless communication
- Broadband and network access
- Satellite communication ground station
- 3G, 4G base station
- Telecom roadside cabine



- DC Power
- Embedded Power
- High Voltage Variable Frequency Drives (VFD)
- AC Power
- Outdoor Power

- Centralized monitoring and management system
- Power Distribution
- Electronic Air Cleaner
- Services



Controller Module

Technical specifications

Functions

System	Support 2 (standard) +2*3 (extensible) electric control LVD; User configurable alarms and setting; Event log for 10000 entries with time and data; Support other extensions; Password management;
Battery	Temperature compensated float charge; Low voltage disconnection; Automatic Capacity tset; Charging current limitation; Boost and equalize charge;
Rectifiers	Individual rectifier information and control; Remote control and voltage adjustment by controller;

Features

Voltage range	18-75 Vdc
Operating temperature	-20 to +65°C
Voltage, Current:	standard 5 Voltage, 3 Current Extension 8*2 Voltage, 8*2 Current
Digital input:	Up to 6 standard, 8*2 extension
LVD:	Up to 2 standard, 3*2 extension
Digital output	Up to 6 standard, 8*2*5 extension

Communication	RS485, TCP/IP, CAN, USB
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Local user interface	3 LEDs 4 buttons 2.4" LCD (128X128 dots)
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Languages	Multi language
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General

Dimensions	86.5W x 182.5D x 41.5H (mm) (1U*2U)
Weight	420g
Cooling	Natural air flow
MTBF	> 290,000h (T ambient : 25°C)
Storage temp	-40 to +85°C (-40 to +185°F)
Humidity	Operating: ≤95% non-condensing; Storage: ≤99% non-condensing;

Standards

Safety	IEC60950 UL60950 EN60950
EMC	EN300386 ClassB (emission) EN300386 ClassA (conducted immunity) IEC61000-4-6 (radiated immunity) IEC61000-4-4 (fast transients) IEC61000-4-5 (surge immunity) IEC61000-4-2 (electrostatic discharge) IEC61000-4-3 (radiated immunity)
Electromagnetics	EN 61000-3-2
Environment	ETSI EN 300 019-2(-1,-2,-3) ETSI EN 300 132-2
RoHS compliant	

Certificate

Europe	CE, TUV, UL
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