

# Controller CSU 502

## Description

The Delta CSU 502 controller is the solution for small power systems. The advanced battery management with capacity test and flexible supervision of system components make it easy to monitor system availability and plan site visits in a cost effective manner.

Remote monitoring and alarming, and consequent cost savings are ensured with potential-free relay contacts, and can be enhanced with an optional LAN/SNMP card. The USB port offers user-friendly interface with Delta RMS software for local communication with PC.

## Main features

- Optimized and compact power system controller
- User interface with LCD display and control stick
- User configurable alarms and settings
- Advanced battery management and testing

## Applications

CSU 502 is used in Delta CellID and OutD systems for:

- Network base stations
- Wireless applications
- Fixed line applications, data communications



*Delta's advanced supervision units make it easy to measure, monitor and control your power system operations.*

*Delta controllers are the intelligence of power systems enabling significant cost savings in both OPEX and CAPEX. Cumulative cost savings of genset downsizing or remote monitoring possibilities can be substantial. Delta controllers deliver the benefits modern technology can offer.*

# Controller CSU 502

## Technical specifications

### 1. Functions

System	
	User configurable alarms and settings
	LVD and PLD functions (1 as standard, additional 2 as option)
	Configurable alarm relays
	Built-in real time clock (option)
	Event log for 400 entries with time and date (option)
	Fan speed control for outdoor system application (option)
Battery	
	Temperature compensated float charge
	Boost and equalize charge
	Charging current limitation
	Low voltage disconnection
	Automatic capacity test
Rectifiers	
	Individual rectifier information and control
	Efficiency mode / Energy saving
	Remote control and voltage adjustment by controller

### 2. Features

Rectifier interface	Digital (RS 485) / Analog
Number of rectifiers	Up to 16
Relay output	Up to 6
Temperature	Up to 2
Voltage, current	Voltage, load current, battery current
Display	96*64 pixel LCD display
Local monitoring	USB / Delta ARMS software
Remote monitoring	Dry contacts / optional WEB server / SNMP
Remote alarming	Dry contacts / optional SNMP

### 3. User interface

	2 LEDs
Local user interface	LCD display Control stick
Communication	Mini –B USB port
Language	English
Web server	Option
SNMP	Option

### 3. General

Voltage range	35 - 60 VDC
Current	0.25 ADC (max)
Input protection	Internal fuse 0.75 A
Input switch	None
Dimensions (H x W x D)	40.5 x 43 x 182 mm 1.6 x 1.7 x 7.1 in
Weight	0.2 kg 0.4 lb
Standards	With System
<ul style="list-style-type: none"> <li>Safety</li> <li>EMC</li> </ul>	Approved with system EN 55022, class B ETSI EN 300386 compliant
Cooling	Natural air flow
Operating temperature	-40 to +65 °C -4 to +149 °F
Relative humidity	95 %, non-condensing

Subject to change without notice.



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