

CSU 502

Controller



Descriptions

Suitable for Delta's CellID shelf and OutD outdoor systems. A USB port provides a user-friendly interface for local communications together with Delta's RMS software. Monitoring system availability is made easy by advanced battery management including a capacity test feature and flexible supervision of system components.

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

- LTE/4G/5G
- Fixed line
- Datacom

CSU 502

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Technical specifications

Model **CSU 502 ID:A1**

1. Input	
Mains voltage	35 - 60 V _{RMS}
Current	0.25ADC (Max.)
Protection / Switch	Internal fuse 0.75A / None

2. General	
Dimensions (W x H x D)	43 x 40.5 x 182 mm (1.7 x 1.6 x 7.1 in)
Weight	0.2 kg / 0.4 lb
Cooling	Natural air flow
Operating temperature	-40 to +65 °C (+40 to +149 °F)
Relative humidity	95%, non-condensing (Max.)

3. Standards	
Safety	Approved with system
EMC (radiated)	EN 55022, class B; ETSI EN 300386 compliant
Environment	RoHS compliant

4. Function	
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
Rectifier	Individual rectifier information and control Efficiency mode / Energy saving Remote control and voltage adjustment by controller

5. Feature	
Rectifier interface	Digital, CAN-based
Number of rectifiers	Up to 16
Relay output	Up to 6
Temperature	Up to 2
Voltage, current	Voltage, load current, battery current
Display	96 *94 pixel LCD display
Local monitoring	USB / Delta ARMs software
Remote monitoring	Dry contacts / optional WEB server / SNMP
Remote alarming	Dry contacts / optional SNMP

6. User Interface	
Local user interface	2 LEDs LCD display Control stick
Communication	Mini-B USB port
WEB server	Option
SNMP	Option
Languages	English, Traditional Chinese and Japanese

7. Ordering Information	
CSU 502 ID:A1	CSU 502 can version

*All specifications are subject to change without prior notice.

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