

CU-31A Series

Site Controller



The site controller, CU-31A Series, is the key component to do remote monitoring and management; it can communicate with Delta RMMS software to upload all measurement data and alarm event.

Delta is known for quality and product reliability, and this solution has been added cost effectiveness.



CU-31A Series



GOAQAO-08-RL

INPUT

Voltage (default)	-54V _{DC}
Voltage (adjustable range)	-18 to -60V _{DC}
Current	2.0A _{DC} (Max.)

MECHANICAL

Dimensions (W x H x D)	425.0 x 44.0 x 304.0mm (16.7 x 1.7 x 12.0in)
Weight	1.8kg (4.0lb)

STANDARDS

Cooling	Natural air flow
Operating Temperature	-40 to +70 °C (-40 to +158 °F)
Relative Humidity	95%, non-condensing

FUNCTIONS

System	Site expansions using additional CANBUS modules, additional I/O's, and measurements
Battery	Temperature compensated float charge, boost and equalize charge
Rectifier	Efficiency mode with advanced rectifier cycling Individual rectifier information and control
Grid AC Meter	3 phase grid ACV/ACI/KW/KWH
Analog Input**	AI x4
Temperature Detection	Ambient x1, Battery x1
Digital Input	DI x 8 (Smoke sensor, water leak sensor, motion sensor)
Dry Contact	Free dry contact (DO) x9 (Mains fail, critical alarm, major alarm, minor alarm, RFA, door control)
DC Current Detection	DC current measurement x5 (via hall sensor) Hall sensor: 200A, 1% 500A, 1%
RS485 Modbus Master	RS485 Modbus RTU x1
RS485 Modbus Slave	Modbus slave RTU for remote monitoring
CANBUS	IMBUS x1 to connect extension modules
Firmware Upgrade	Remote firmware upgrade
Data Log	100,000 data log
3G Modem	Dual SIM card slots, support auto-switching between the cellular operators Support HSUPA/UMTS/WCDMA: 800/850/900/1900/2100 MHz Support GSM/GPRS/EDGE: 850/900/1800/1900 MHz Support PPTP/L2TP/IPsec Antenna x1
Ethernet Port	WAN x1; LAN x4

USER INTERFACE

Local User Interface	5 configurable LEDs; LCD display; Keypad; USB
WEB	Four different access levels; More than 200 dynamic WEB pages
Communication Protocol	SNMP v1/v2c/v3, SNMP trap, Modbus TCP
Languages	English, Traditional Chinese (option), Japanese (option)

EXTENSIONS (OPTIONAL) **

Delta Standard Module Control/Monitoring	Rectifier, PV charger, LVD control board/AC meter/DC meter
Genset Control/Monitoring	Integrate genset ON/OFF control/monitoring functionality over RS485 Modbus RTU
Configurable DO/DI/AI PLC	PLC functionality for customization and supervision and control of auxiliary devices

* All specifications are subject to change without prior notice.

** The optional function is available but need to discussion for different application; please contact Delta solution team for the detail.