



Deltrix Smart Dual-Port AC EV Controller

This multifunctional AC EV charging controller has been especially designed for the construction of Dual-Port Chargers. Using this controller, a complete 2-outlet charging station can be designed and built for type 2, mode 3 outlets with servo lock and LED signaling. The module can be managed by a cloud back-office solution using OCPP 1.5./2.0 interfacing. Load management for smart grid applications is built into the software.

Key Features

- EVC Module can be used for max 2 mode-3 sockets
- 2 x connection for servo Mennekes/Bals
- 2 x KWH input (2 x S0 or Mod-bus)
- Built-in GPRS / GSM modem for back-office connection
- GPS positioning for accurate location on map
- CAN bus for master-slave and peripherals
- 2 x serial connection – RFID / Barcode reader
- Option for full color display with touch screen (via CAN)
- 2 x operation relay per channel (i.e. possibility for ZE-ready functionality)
- Built-in 2 x mode-3 controller for PP and CP contact
- 2 x input voltage out (failure) detection.
- 2 x optional logical input
- 2 x optional logical output
- Temperature sensor built-in
- Ethernet extension-board optional
- OCPP ready (1.5./2.0)
- On/off switching via RFID card / SMS / or Smartphone Application
- Controlled charging-current based on available capacity and ambient temperature.

Technical Specifications

Hardware

Enclosure	PVC DIN-Rail Enclosure
Dimensions (LxWxH)	90 x 82 x 22.5 mm (103 x 110 x 22.5 mm incl. connectors)
Weight	225 g
Temperature range (ambient)	-25°C - +70°C
Humidity	5% - 95%
Protection grade	IP20
Pluggable connectors	3 x 16
Embedded microcontroller	NXP ARM controller
Penta band 3G/GSM modem	850/900/1800/1900/2100 MHz
Ethernet Extension	Yes
GPS global positioning	Yes
Onboard temperature monitoring	Yes
Power supply	12 VDC
Power consumption	1.2 Watt

Interfacing

RFID	2 x RS232
Buzzer	Integrated
Tilt sensor input	1 x (optional)
kWh meter	2 x S0/Modbus/RS485 (configurable)
Power sensing	2 x Outlet
LCD Display	Not support by controller. Custom programming with CAN Bus
Master/slave	Controlling up to 23 slave modules
Lock controller	2 x mechanical lock output Mennekes/Bals/Scame/Phoenix
Proximity pilot & control pilot IEC15118-2	2 x type 2 IEC 62196-2, supporting mode 3 charging, IEC 15118-2 Vehicle Communication V2G-support
LED	2 x triple LED output
CAN-bus	1 x CAN-bus interface
RCD status	2 x RCD trip detect
Contactor status	2 x contactor failure detect
Contactor enable	2 x contactor switch output

Software

Remote: firmware update/ Local: EVC Manager via USB/CAN

OCPP 1.5/1.6/2.0 ready

Cloud back-office by OEM using OCPP

Immunity IEC 61000-6.2 Emission IEC 61000-6.3

ZE-ready compatible

DLEVC2PAC

DLEVC2PAC-E with Ethernet Port

Conformity

Part Number

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