



The CityEV EV32 Renewable Energy Electric Vehicle Charging Point

- Domestic and workplace electric vehicle charging from renewable and grid energy
- Smart use of renewable and grid energy
- Built-in charge monitoring and metering of charging status, charging rates and vehicle status
- Compatible with CityEV Chargersanywhere network
- Built-in safety monitoring and self diagnostics
- Can be used as standard grid only Charge point

If you're looking for an electric vehicle charge point that is not only safe and reliable but also the most eco-friendly EVSE available anywhere then the EV32 is the smart choice. It's our first electric vehicle charging point that dynamically charges using renewable energy, renewable with grid or solely using grid energy.

So if you own both an electric vehicle and a PV or wind renewable energy installation, or plan to install renewable energy in the future, the EV32 will enable intelligent use of your generated power for vehicle charging and help make your EV even more planet friendly.

Even if you do not have renewable energy the EV32 offers a wealth of innovative features such as charging status and built-in monitoring and metering making it the smartest charge point on the market today. Additionally the EV32 is fully compatible with all CityEV network charge points.

The EV32 meets the rigid testing standards and complies with safety, performance and interoperability testing to all industry-recognized SAE, UL, IEC and EN standards, as well as local and regional regulatory requirements.

Revision 1.2 – August 2016 Products may be the subject of one or more patent applications.

Specifications

ELECTRICAL	
Charge Current Rating	Min 6A – Max 32A
Charge Power Rating	Min 1380W – Max 7360W
Supply Voltage	230VAC+10%-6%(216V – 253V)
Supply Rating	16A, 20A or 40A
CONNECTORS	
EV Charge Connector	EN 62196-2 Type 2 socket with cover flap
Supply Cable	Aperture for 25mm cable gland
CHARGE MODE	
Charge Mode	Mode 3 fully compliant
Charge Current	Maximum charging current user programmable from 6A to 32A (Supply
OPERATING MODES	
1. Standard EVSE	Charges at fixed maximum user programmed current
2. Renewable energy mode	Charging current is varied between 0 and min to max programmed charge current depending on available renewable power
3. Renewable, grid assisted	Renewable energy charging + user programmed additional current from grid
Mode Switching	Automatic switching between Grid, Renewable and Renewable + Grid modes at user
USER CONTROLS	
Display	Large, bright 2 line X 20 character LCD
Keys	Manual Start, Stop, Display mode, Settings menu
Displayed Information	<ul style="list-style-type: none"> - Charge point status - EV Status - Charging status, charging current and power - Available renewable power in KW - Usage data, see monitoring & Metering - Fault Conditions - System set up information
Access Control	Optional charge point access control via key code
TIMER FUNCTIONS	
Charge Mode Timer	Up to 4 charging periods per day can be specified Each charging period specifies charge mode start/end times
	Allows grid charging to be delayed until off-peak tariff or renewable only charging during the day etc.
ENVIRONMENTAL	
Enclosure Size	320mm x 220mm x 80mm
Protection	Outdoor rated, protection to IP54
Operating Temperature	-30°C to 60°C
Operating Humidity	10% to 100%