



The Electricians' Choice

SIENA® &
SIENA DUO®

EV CHARGING RANGE



EV CHARGING RANGE



SIENA[®]

Lewden's EV Ecosystem: the end-to-end charging solution, from infrastructure to vehicle Plug-in

Lewden, a trusted manufacturer of electrical solutions since 1946, introduces SIENA - a smart, efficient, and reliable EV charger for residential and commercial settings in the UK market. As EV adoption grows, SIENA offers an effortless charging experience, backed by Lewden's legacy of quality and innovation. It's more than a charger - it's part of Lewden's complete, end-to-end EV ecosystem, from infrastructure to plug-in.



AC Mode 3
EV smart charger



Type 2
Charging
Socket



Tethered or
Un-Tethered
Options



7.4kW single phase
& 22kW three phase



Versions

7.4kW Single phase un-tethered socket outlet with PEN Fault Protection

Part Number: 672150

7.4kW Single phase tethered outlet with 5m charging cable with PEN Fault Protection

Part Number: 672151

7.4kW Single Phase un-tethered socket outlet without PEN Fault Protection

Part Number: 672152

7.4kW Single Phase tethered socket outlet without PEN Fault Protection

Part Number: 672153

22kW Three phase un-tethered socket outlet with PEN Fault Protection

Part Number: 672350

22kW Three Phase un-tethered socket outlet without PEN Fault Protection

Part Number: 672352



2 x RFID
key Fobs Included



PRODUCT FEATURES

Siena is Lewden's premium AC Mode 3 smart EV charger-designed with the installer in mind and powered by Monta for next-gen energy control. With fast charging, intelligent features, and robust safety built in, Siena is the complete solution for residential and commercial EV installs.

- Compatible with all Type 2 EVs & PHEVs
- Sleek, minimalist design
- Solar charging integration (7.4kW)
- Built-in PEN fault protection (no earth rod required)
- LED Charge Status Indicator
- Fully compliant with UK Smart Charging Regulations
- OZEV & ENA approved

Suitable For



Homeowners
with or without
solar panels.



Small businesses



Commercial
car parks



Lewden Connect App
Designed for easy commissioning
in minutes, not hours.



Powered by Monta
Smart Control App



Control

- Adjustable power output: 13A–32A.
- RFID access control prevents unauthorised use.
- Solar charging compatible (7.4kW models only).
- Dynamic Load Management via included CT clamp(s).
- Embedded energy meter + optional external MID meter.
- Day/Night LED brightness adjustment.
- Cable lock function (untethered models only).



Connectivity

- Wi-Fi, Ethernet, and optional 4G connectivity.
- Bluetooth pairing for initial setup.
- Compatible with iOS and Android devices.



Protection

- Built-in Type A and 6mA DC RCD protection.
- Integrated PEN fault protection-no earth rod required.
- Surge, overvoltage, undervoltage, and overcurrent protection.
- Over-temperature shutdown and auto-recovery.
- Protective Earth loss detection
- Tamper security switch.



Software & Compliance

- OCPP 1.6J protocol support.
- Electrician Test Mode.
- Free lifetime OTA software updates.
- Charging history and fault log tracking.
- OZEV approved | ENA listed | TUV certified.
- Compliant with UK Smart Charging Regulations.





Built-In Safety

Child-Proof Socket Shutters

Protects against accidental contact. Extra safety for homes with children.



Tidy & Practical

Smart Cable Storage

Wrap the cable around the unit. No mess, no trip hazards.

Tethered Option with 5m Cable:

Includes built-in holster. Keeps the charging gun secure and the cable off the ground.



Weather-Ready Design

Durable & Weatherproof

IP55 rated. Made to perform reliably in all weather conditions.



Low Energy Use

Just 4W Standby Power

Minimal energy draw when idle. Keeps running costs low.



Easy Installation

Quick-Fit Back Plate

Rigid and detachable. Makes wiring simple and secure.

Large cage clamp terminals reduce installation time.

Just dock the charger onto the plate and fix in place.

A smooth and efficient process.



TECHNICAL SPECIFICATIONS

Part numbers	• 7.4kW Single Phase EV Charger Available With Pen Fault Protection 672150 Untethered socket outlet 672151 Tethered socket outlet Available without Pen Fault Protection 672152 Untethered socket outlet 672153 Tethered socket outlet		• 22kW Three Phase EV Charger Available With Pen Fault Protection 672350 Untethered socket outlet Available without Pen Fault Protection 672352 Untethered socket outlet	
Rated Input	7.4kW 230VAC 50/60Hz ±10% 22kW 400VAC 50/60Hz ±10%			
Rated output	7.4kW (32A 230V) 22kW (32A 400V)			
Charging Current	Installer adjustable from 13-32A in 9 pre-defined steps			
Charging Protocol	Mode 3			
Output interface	IEC62196-2 type 2 AC charging socket / connector 			
Communications	• Wi-Fi 802.11 b/g/n 2.4GHz • Factory-fitted 4G connection with a customer-supplied SIM (Factory fitted, optional extra. Part number: 672902) • RJ45 Ethernet connection 10M/100M Base-T • Bluetooth (for installer configuration purposes) • USB port (For firmware upgrades only) • Open charge point protocol (OCPP1.6)			
Built in Protection features	• PEN conductor fault <207V & >262.2V for 0.2 seconds • Residual Current Fault 30mA type A and DC 6mA with self-test • Over temperature (Stage 1 >80°C / Stage 2 >90°C) • Output overcurrent (A+2 for max output ≤20A) (Ax1.1 for max output >20A & ≤32A) • Input Overvoltage >253V for 4.5 seconds (Phase voltage) • Ground failure (between charge point and vehicle) >70VAC • Surge Protection • Tamper boundary switch			
Standby Power Consumption	4W			
Measurement Accuracy	±1%			
Overall Dimensions	370h x 210w x 164.5d (mm)			
Shell Construction material	Polycarbonate and ABS			
Ingress Protection rating	IP55			
Impact resistance rating	IK08			
Ambient Operating temp.	-30°C to +50°C			
Weight	7.4kW untethered: 3kg / 7.4kW tethered: 4.5kg 22kW untethered: 4.5kg			
Incoming cable termination	4-16mm²			

Standards Compliance

Charging System	BS EN IEC 61851-1: 2019 • UK Smart Charging Regulations 2021 (SI1467 inc. Schedule 1 & 2)
Safety Compliance	UK safety regulations 2016 (SI1101) • Low voltage directive 2014/35/EU
Charging Interface	BS EN IEC 62196-2: 2022
EMC Compliance	BS EN IEC 61851-21-2: 2021 • EN IEC62311: 2020 • BS EN IEC61000-6-1: 2019 • BS EN IEC61000-6-3: 2021
PEN fault protection	BS7671: 2018 +A2: 2022 section 722
Communication Technology	EN 300 328 v2.2.2: 2019 • EN 300 330 v2.1.1: 2017 • EN 301 489-1 v2.2.3: 2019 • EN 301 489-3 v2.1.1: 2019 EN 301 489-17 v3.2.4: 2020 • EN 301 489-52 v15.1.1: 2021 • EN 301 908-1 v15.1.1: 2021 • EN 301 908-13 v13.2.1: 2022
RDC-DD	IEC62955: 2018





Easy Commissioning with Video Guidance

Simply scan the QR code to
complete setup in minutes.



Android users



iOS users

SMART CONTROL



LEWDEN CONNECT APP for easy commissioning

- Free to use.
- Enables basic settings and network configuration.
- View charging history and fault logs.
- Includes Electrician Test Mode for streamlined commissioning.
- **Monta charge mode:** Full smart charging functionality.
- **Free charge mode:** Plug in and charge with no restrictions.
- **RFID charge mode:** Plug in and charge with user access control.



MONTA APP for smart charging

- Free to use for home charging.
- Commercial solutions available for multi-charger sites (subscriptions may apply).
- Simple onboarding for warranty registration, remote support, and firmware updates.
- Schedule charge times or set completion deadlines.
- Apply charging rules for lowest cost, low CO₂, or high renewable energy availability.
- Use **PowerBank mode** to support the grid and earn Monta Wallet credits.
- Set charge amount (kWh), or charge immediately when needed.
- Simplified onboarding for warranty, support, and updates.



Lewden
Connect App

Technical support

Lewden EV Support Engineer
WhatsApp Support Line
+44 (0) 7764 293 501
evcharging@lewden.co.uk



Monta App

Technical support

- **Online Guides:** <https://monta.com/en/help-center/>
- **Customer Contact:** <https://monta.com/en/contact/>
- **Within Monta App:** /me/support

EASY & EFFICIENT INSTALLATION



View SIENA in Augmented Reality



Visualise before installation.



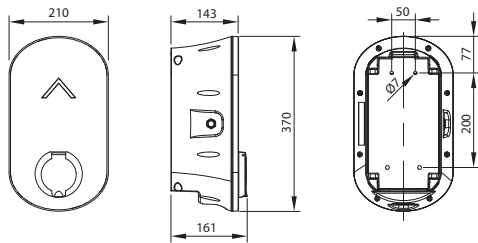
Drilling Template

Designed to make installation quick and easy, ensuring perfect alignment every time.



Easy Fit Backplate Design

Detachable backplate streamlines installation, enabling precise and effortless mounting and wiring. This safeguards the charger from potential damage during setup and simplifies future maintenance.





Max. Output Current Adjustment

For installations with limited supply capacity, the charger's output can be adjusted via a rotary switch, set by a technician at commissioning to ensure safe operation without overloading.



Easy Docking Of Charger

Effortless final installation: simply dock and secure the charger body once all wiring is complete. Ready to go!



Smart Connectivity

Deliver a seamless and intelligent charging experience for the end user.



Lewden Connect App

Designed for easy commissioning in minutes, not hours.



Powered by Monta

Smart Control App



Electrician Test Mode via Lewden Connect App

Enables quick and easy testing of Earth Fault Loop Impedance and RCD trip times.

INCLUDED IN THE BOX



2x RFID Access Control Fobs

Part number: 672900

Tap the fob for safe and secure, app-free charging.

Also included:

- Drilling template
- Wall fixing kit
- Quick start guide



Split Core Current Transformer

Part number: 672901

An Optional split-core current transformer enables seamless solar integration, allowing the charger to optimise energy use by drawing power directly from your solar system for efficient, eco-friendly charging.

*7.4kW includes 1x CT Core

*22kW includes 3x CT Core



4x Rubber Screw Covers

Part number: 672917

Protect fixing screws from weather exposure, preventing rust and ensuring long-term durability in outdoor environments.

*All accessories are included in the box but can also be purchased separately.





EV CHARGING RANGE



SIENA DUO®

Dual commercial AC charging

Dual 22kW AC

Two simultaneous charging outputs in one robust unit, designed for commercial environments, fleets, car parks and on-street charging.

COMMERCIAL | FLEET | CAR PARKS



Dual 22kW AC
charging



Contactless
payments



RFID
authentication



OCPP 1.6J
compatible

BUILT FOR COMMERCIAL CHARGING

Siena Duo has been engineered to provide a robust, intelligent and highly reliable charging solution for public and commercial environments.

Combining industrial-grade construction with Powered by Monta connectivity, Siena Duo delivers effortless management, secure payment options and an outstanding charging experience.

Suitable For



Caravan
& Holiday Parks



Hotels
& Hospitality



Retail & Shopping
Centres



Workplace
Charging



Local Authorities



Public Car Parks



Fleet Depots



Leisure Facilities





WHY CHOOSE SIENA DUO?

- **Dual 22kW Charging**

Charge two vehicles simultaneously.

- **Powered by Monta**

Complete remote charger management.

- **Contactless Payments**

Accept debit cards, credit cards, Apple Pay and Google Pay.

- **RFID Authentication**

Secure user access.

- **OCPP 1.6J Compatible**

Works with leading back-office platforms.

- **Ethernet · Wi-Fi · 4G**

Flexible connectivity for any location.

- **Large Colour Touchscreen**

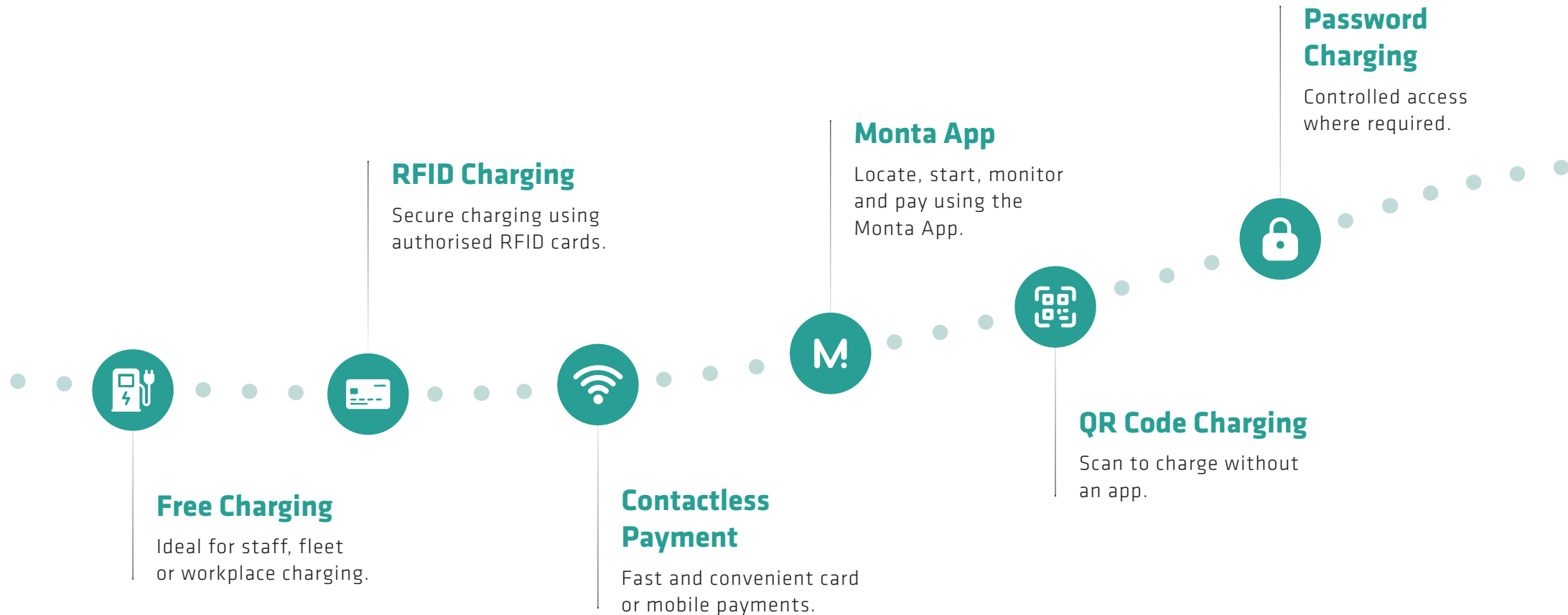
Intuitive and easy to use.

- **Steel Construction**

Built for demanding environments.

FLEXIBLE CHARGING MODES

Every installation is different.
Siena Duo supports multiple charging methods
simultaneously, giving you complete flexibility.



Multiple charging methods can operate simultaneously.

BUILT FOR INSTALLERS

Designed to make every installation faster, easier and more reliable.

- Large cable termination space
- Single touch-screen commissioning
- USB configuration tool
- Electrician Test Mode
- Automatic network configuration
- Ethernet, Wi-Fi and 4G connectivity
- Factory reset
- Automatic software updates
- Remote diagnostics
- Local diagnostics
- Event logging
- Password protected menus



COMMERCIAL FEATURES

Powerful features. Simple to manage.



Intelligent Connectivity

- Ethernet
- Wi-Fi
- 4G
- Bluetooth
- USB
- OCPP 1.6J



Smart User Authentication

- RFID
- Contactless Payment
- Monta App
- QR Code
- Password



Revenue Generation

- Flexible tariffs
- Pre-authorisation
- Payment reporting
- Transaction history
- Remote pricing updates



Remote Management

- Firmware updates
- Fault notifications
- Charging statistics
- Network monitoring
- Usage reporting

DESIGNED FOR RELIABLE OPERATION

Built with premium components and engineered for 24/7 commercial use.

Industrial steel enclosure >

IK10 impact protection >

< IP55 weather protection

< Integrated surge protection

< Integral RCBO protection





POWERED BY MONTA

Siena Duo is Powered by Monta, the trusted platform for smart EV charging.

Operator Benefits

- Remote monitoring
- Set charging tariffs
- Revenue reporting
- User management
- RFID management
- Payment management
- Firmware updates
- Multiple site management

Driver Benefits

- Find chargers
- Start charging
- Apple Pay
- Google Pay
- Receipts
- Charging history
- Reservations



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Monta App

Technical support

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- **Within Monta App:** /me/support



INTEGRATED PAYMENT SOLUTIONS

Choose the payment architecture that suits your business.

Direct PSP

Ideal for standalone installations.
The payment terminal communicates directly with your chosen payment service provider using the charger's internet connection.
No separate SIM card is required.

Powered by Monta

Ideal for multi-site and centrally managed installations. Payment terminals are managed remotely through Monta, enabling flexible commercial solutions.
Where terminals are installed remotely, they may require their own network connection or SIM card.

Payment methods shown



Visa



Mastercard



Apple Pay



Google Pay



Contactless

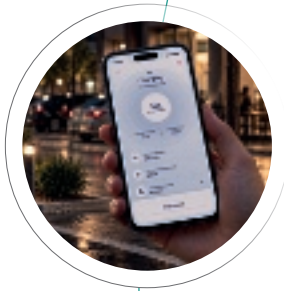
THE LEWDEN EV ECOSYSTEM

A complete end-to-end solution
from infrastructure to plug-in.

Siena Duo >



Powered
by Monta >



Driver >



< Grid



< Distribution
& protection



< EV
infrastructure



TECHNICAL SPECIFICATIONS

Charging Outputs	Dual Type 2
Maximum Output	2 × 22kW AC
Charging Mode	Mode 3
Authentication	RFID / Payment / QR / Password / Monta App
Display	7" Colour Touchscreen
Payment Terminal	Payter Apollo
Communications	Ethernet / Wi-Fi / 4G / Bluetooth
Protocol	OCPP 1.6J
Energy Metering	Dual MID Meters
Protection	RCBO, RCD Type A + 6mA DC, Surge Protection
Enclosure	Steel, IP55, IK10
Installation	Floor-Mounted
Operating Temp.	-30°C to +50°C



BUILT FOR EVERY LOCATION

Siena Duo is engineered to perform in the toughest environments. From coastal destinations, you can rely on Siena Duo day in, day out.

SEAMLESS USER EXPERIENCE

Simple, intuitive and fast. Drivers can start charging in seconds using the method that suits them.

1**TAP**

SELECT YOUR CHARGING METHOD

2**PAY**

SECURE PAYMENT OR AUTHENTICATION

3**CHARGE**

PLUG IN AND YOU'RE READY TO GO





SMART TODAY. READY FOR TOMORROW.

Future-ready by design.

Siena Duo is built on open standards and receives regular over-the-air updates, ensuring your investment is protected for years to come.



COMPLETE EV CHARGING SOLUTIONS

From home charging to commercial installations

Lewden's EV charging range delivers smart, reliable solutions for residential and commercial applications - from home charging to dual commercial charging, with DC fast charging coming soon.

SIENA DUO®

DUAL COMMERCIAL AC CHARGING

Dual 22kW AC

Two simultaneous charging outputs in one robust unit, designed for commercial environments, fleets, car parks and on-street charging.

COMMERCIAL | FLEET | CAR PARKS

SIENA®

SMART AC CHARGING

7.4kW Single Phase | 22kW Three Phase

Smart, installer-friendly AC charging for residential and commercial applications, available in tethered and untethered options.

HOME | WORKPLACE | DESTINATION

CETARA®

DC FAST CHARGING

The next addition to Lewden's growing EV charging range - bringing DC fast charging to commercial and public charging applications.

RAPID | FLEET | PUBLIC

FROM HOME TO HIGHWAY.

ONE COMPLETE EV
CHARGING RANGE.

Scan To Explore
Lewden Ev Charging.

COMING SOON



CONNECTING ALL THE DOTS IN THE EV ECOSYSTEM



100A DP metal fused switch

- Available in choices of 63A, 80A, 100A.



SLM2-MS

- Available in 2 module enclosure complete with 100A DP Main Switch - suitable for domestic use. Also available in 4 module enclosure for commercial use.
- Ingress rating IP20 IK07.
- Designed for use with 16mm² & 25mm² double insulated meter tails type 6181Y.



Distribution terminals

- 6 different colour-coded terminals for quick identification of phase, neutral, earth and functional Earth connections.

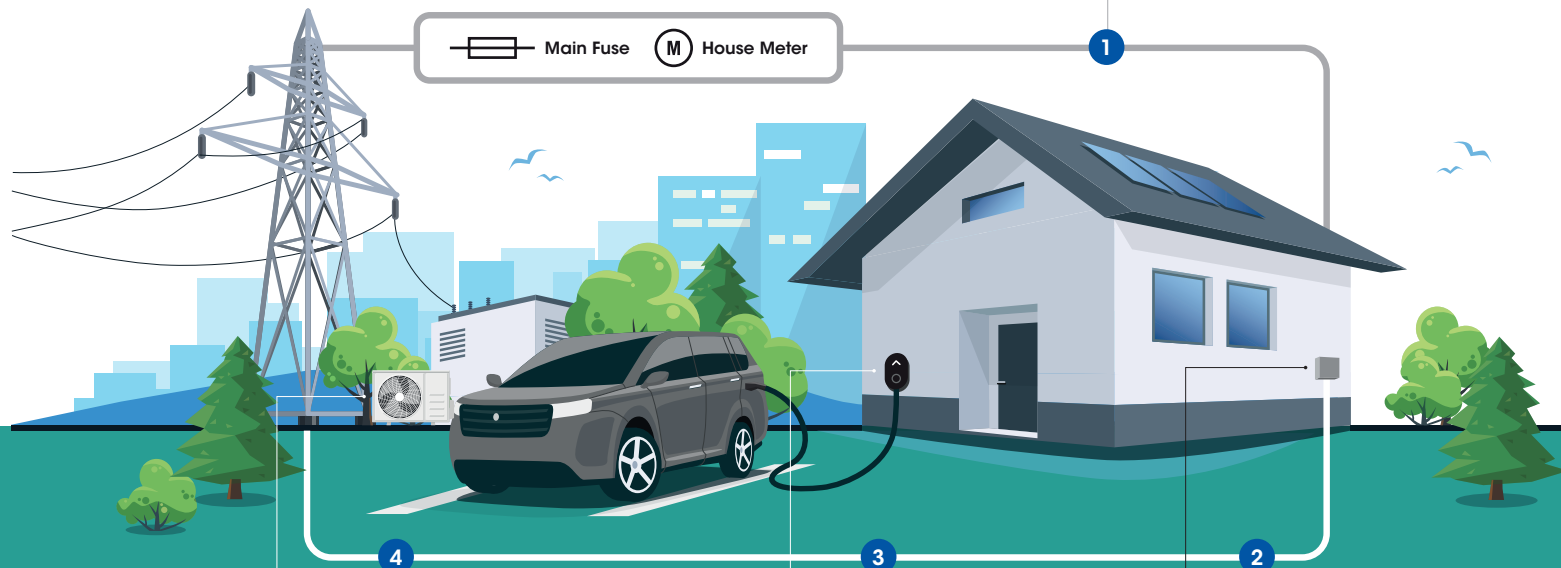


Main Consumer Unit

- Variety of solutions in our extensive Consumer units range. Choose from Dual RCD solutions, RCBO solutions, RCD Incomer solutions, Dual Tariff boards, Retrofit surge protection range and more.



Scan the QR Code to
Explore our EV SOLUTIONS!



HEAT PUMP PROTECTION

- TYPE B HP SINGLE POLE RCBO is available from 16A to 40A in Band C curves, with a 30mA residual current rating and 6kA short-circuit breaking capacity.
- Indoor and IP65 dedicated consumer unit solutions.



SIENA

- 7.4kW Single Phase and 22kW Three Phase AC 32A Chargers.
- Mode 3 EV Fast Smart Charging Point.
- Open Charge Point Protocol 1.6.



EV Consumer Unit

- Populated with a 100A 2P main switch, a type 2 surge protection device, and a B40A 1P 6kA MCB, plus a bi-directional Type A 30mA RCD.
- IP65-rated.
- Available in metal and polycarbonate enclosures.



Bi-directional RCBOs

- 6kA range - TYPE A, B-Curve Bidirectional RCBOs.
- Available in 6A - 40A current ratings.



MCBs

- 6kA range is available in 1/2/3/4 Poles in B & C trip curves from 6A-63A.
- 10kA range is available in 1/2/3 Poles in B/C/D trip curves from 6A-63A current ratings.



Main switch

- Available in 2 Pole for 6kA range and 3/4 Pole for 10kA range.



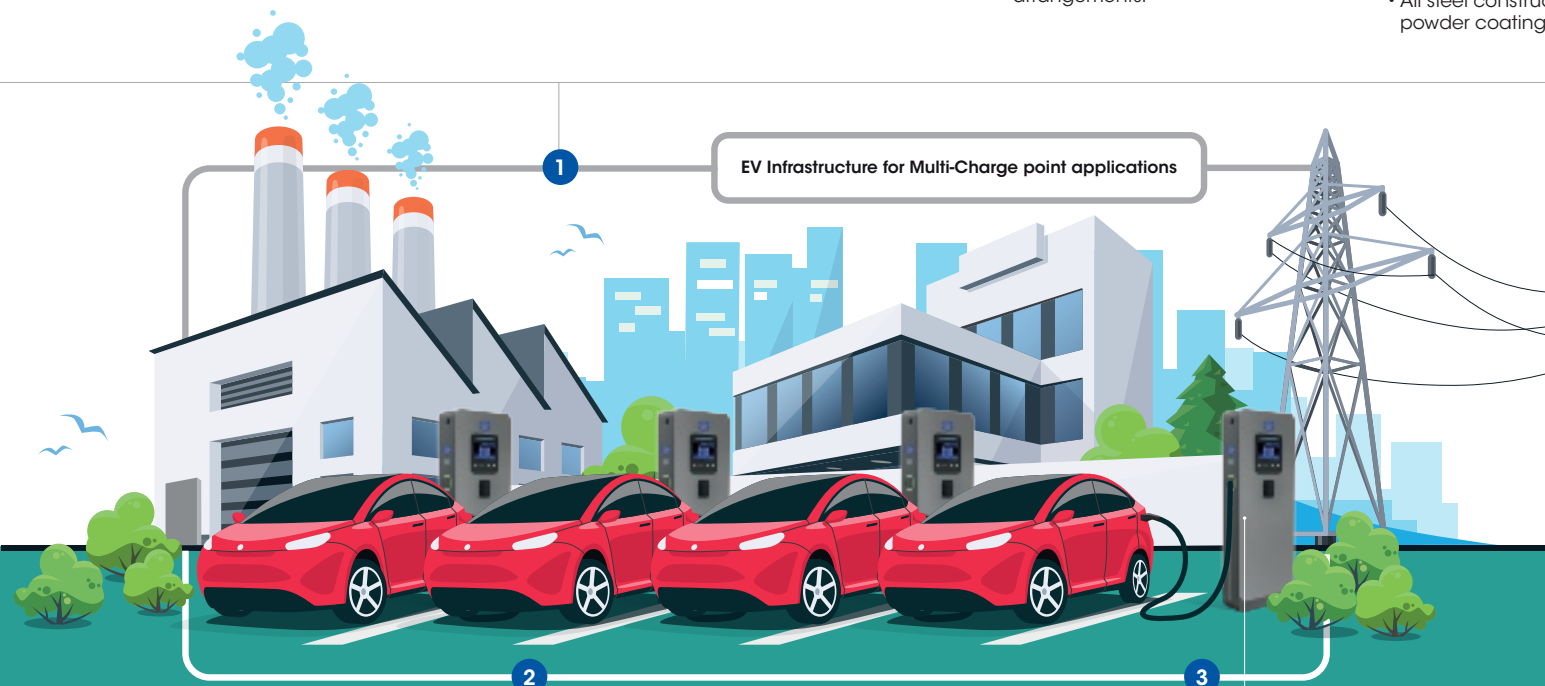
SPDs

- Type 1 and Type 2 surge protection devices designed for various applications - suitable for single or three-phase applications.
- They are compatible with both TN (TN-S & TN-C-S) and TT earthing arrangements.



TP&N Distribution Boards

- Designed & Engineered in the UK
- Four modular sizes available: 4, 8, 12 & 16 TP outgoing ways.
- Compatible with the 6kA & 10kA circuit protection range.
- All steel construction finished with a powder coating in RAL9003, white.



EV Feeder Pillars

- Customizable Distribution Cabinets for Multiple EV Charging.
- The standard range is available in five different current ratings 100A, 125A, 200A, 400A & 630A in Metal or GRP
- We CUSTOMIZE AS YOU WISH!



SIENA DUO®

Commercial AC EV Charging Station

- Dual 22kW AC charging- charge two vehicles simultaneously.
- Contactless payment & RFID authentication.
- 7" colour touchscreen.
- Ethernet, Wi-Fi & 4G connectivity.
- OCPP 1.6J compatible.
- IP55 / IK10 steel construction.



WHERE TO BUY?

Find your preferred supplier from a network of trusted sellers where you can purchase Lewden products and accessories.



Scan the QR code to find your nearest stockist.



FOR SPECIAL ENQUIRY CONTACT

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FOR TECHNICAL SUPPORT

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- **Online Guides**
<https://monta.com/en/help-center/>
- **Customer Contact**
<https://monta.com/en/contact/>
- **Within Monta App**
[/me/support](#)

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The Electricians' Choice

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Lewden_Elec



Lewden - Palazzoli Group



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