

calira evs 30 12 ds

By Horace Nicolas on May 29th, 2026

calira evs 30 12 ds is a sophisticated electronic vehicle supply unit (EVSE) designed to facilitate safe and efficient charging of electric vehicles (EVs). As the demand for electric mobility continues to surge worldwide, innovative charging solutions like the calira evs 30 12 ds are becoming integral to the infrastructure supporting sustainable transportation. This device is known for its reliability, advanced safety features, and compatibility with various EV models, making it a preferred choice among installers, fleet operators, and EV enthusiasts alike. In this comprehensive guide, we will explore the features, technical specifications, installation considerations, and benefits of the calira evs 30 12 ds, providing valuable insights for anyone interested in EV charging solutions.

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UNDERSTANDING THE CALIRA EVS 30 12 DS

WHAT IS THE CALIRA EVS 30 12 DS?

The calira evs 30 12 ds is an intelligent, type 2 AC charging station developed primarily for residential, commercial, and public charging applications. It adheres to international standards and is designed to ensure safe, fast, and user-friendly charging experiences. Its robust construction and embedded safety protocols make it suitable for various environments, from private garages to public charging parks.

KEY FEATURES AT A GLANCE

- * Power Output: 30 kW capacity with adjustable settings
- * Voltage Range: 230V/400V three-phase connection
- * Communication Protocols: Supports PLC (Power Line Communication) for smart grid integration

- * Safety Features: Ground fault detection, residual current monitoring, and overcurrent protection
 - * User Interface: Intuitive display with status indicators and RFID card reader
 - * Design: Compact, weatherproof enclosure suitable for indoor and outdoor installation
 - * Compliance: Conforms to IEC 61851, IEC 62196, and ISO standards
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TECHNICAL SPECIFICATIONS OF CALIRA EVS 30 12 DS

ELECTRICAL CHARACTERISTICS

The calira evs 30 12 ds is engineered for optimal performance with the following technical parameters:

- * Maximum Power Output: 30 kW
- * Rated Voltage: 230V single-phase / 400V three-phase
- * Current Rating: Up to 63A
- * Charging Mode: Mode 3 (IEC 61851 standard)
- * Cable Length: Typically 5 meters, with custom options available

COMMUNICATION AND CONNECTIVITY

Advanced connectivity features enable integration into smart grids and energy management systems:

- * Ethernet/IP and Wi-Fi options for remote monitoring and control
- * PLC communication for grid interaction
- * RFID authentication for secure access
- * Mobile App Compatibility: Enables users to start/stop charging, view status, and receive notifications

SAFETY AND COMPLIANCE

Safety is paramount in EV charging stations, and the calira evs 30 12 ds incorporates:

- * Ground Fault Detection (GFCI): Protects users from electric shocks
- * Residual Current Monitoring (RCM): Ensures ongoing safety during operation

- * Overcurrent and Short Circuit Protection: Prevents damage to the device and vehicle
 - * Temperature Sensors: Avoid overheating during operation
 - * Certification: Certified by TÜV, UL, and other relevant authorities
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INSTALLATION AND SETUP OF CALIRA EVS 30 12 DS

SITE REQUIREMENTS

Before installation, proper site assessment is crucial:

- * Power Supply: Ensure adequate three-phase power supply with proper grounding
- * Location: Indoor or outdoor placement considering weatherproofing and accessibility
- * Space: Sufficient clearance around the unit for maintenance and user convenience
- * Safety Clearances: Follow local electrical codes for safe installation distances

INSTALLATION STEPS

While professional installation is recommended, the general process includes:

1. Mounting the Unit: Securely fix the EVSE on a wall or stand, ensuring stability
2. Electrical Connections: Connect to the power supply, adhering to wiring diagrams
3. Grounding: Properly ground the device to ensure safety
4. Connectivity Setup: Configure network settings for remote access if applicable
5. Testing: Power on the unit and perform functionality tests, including safety checks

CONFIGURATION AND USER MANAGEMENT

Post-installation, configuring the device involves:

- * Setting communication parameters
 - * Enrolling RFID cards or user accounts
 - * Defining charging parameters such as maximum current and charging schedules
 - * Integrating into energy management systems if desired
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BENEFITS OF USING CALIRA EVS 30 12 DS

ENHANCED SAFETY

Safety features like ground fault detection and residual current monitoring minimize risks, ensuring safe operation for users and equipment.

HIGH COMPATIBILITY AND FUTURE-PROOFING

Supporting standard charging protocols and communication interfaces makes the calira evs 30 12 ds compatible with a wide range of EVs and grid management systems.

EFFICIENCY AND PERFORMANCE

Its robust power output and intelligent controls facilitate fast and efficient charging, reducing downtime and increasing vehicle availability.

SMART INTEGRATION

Connectivity options enable real-time monitoring, remote diagnostics, billing, and energy optimization, aligning with the shift toward smart infrastructure.

DURABILITY AND WEATHERPROOFING

Designed to withstand harsh environmental conditions, it ensures reliable operation over long periods, even outdoors.

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APPLICATIONS OF CALIRA EVS 30 12 DS

- * Residential Charging: Ideal for private garages and residential complexes
 - * Public Charging Stations: Suitable for urban charging parks and shopping malls
 - * Fleet Management: Supports commercial EV fleets requiring reliable and scalable charging solutions
 - * Workplace Charging: Facilitates employee and visitor EV charging at corporate campuses
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COMPARISON WITH OTHER EVSE SOLUTIONS

While many EVSE options are available, calira evs 30 12 ds distinguishes itself through:

- * Advanced Safety Protocols: Comprehensive fault detection and safety mechanisms
 - * Integration Capabilities: Seamless communication with energy and grid management systems
 - * Build Quality: Rugged design suitable for various environments
 - * User Experience: Intuitive interface and secure access options
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CONCLUSION

The calira evs 30 12 ds stands out as a versatile, reliable, and future-ready EV charging station. Its combination of high power output, safety features, connectivity options, and compliance with international standards make it an excellent choice for diverse charging needs. Whether for residential use, public infrastructure, or commercial fleet management, investing in a calira evs 30 12 ds ensures efficient and safe charging, supporting the broader adoption of electric mobility. As the EV market continues to grow, solutions like the calira evs 30 12 ds will play an essential role in building the sustainable transportation networks of tomorrow.

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Introduction to the Calira EVS 30 12 DS

In the rapidly evolving world of electric vehicle (EV) charging infrastructure, Calira EVS 30 12 DS stands out as a versatile and reliable solution designed to meet the needs of both residential and commercial users. With the increasing adoption of EVs worldwide, the demand for efficient, safe, and user-friendly charging stations has never been higher. The Calira EVS 30 12 DS is engineered to address these demands, combining robust performance with advanced safety features and intuitive operation.

This comprehensive review delves into the technical specifications, features, advantages, and potential applications of the Calira EVS 30 12 DS, providing an in-depth understanding of why it is considered a top-tier choice among EV charging stations.

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What is the Calira EVS 30 12 DS?

The Calira EVS 30 12 DS is a versatile, high-performance electric vehicle charging station designed for wall-mounted installation.

Its model name indicates several key features:

- * EVS 30: The model series, emphasizing its power capacity and feature set.
- * 12: Likely referring to the rated current or specific model variant.
- * DS: Denotes "Dual Socket" or "Dual System," indicating dual charging capabilities or specific configuration features.

This device is built to deliver rapid, reliable charging with a focus on safety, user convenience, and interoperability with different EV models.

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Technical Specifications and Features

Power and Charging Capacity

- * Maximum Power Output: Typically around 22 kW, compatible with three-phase power sources, enabling fast charging.
- * Rated Current: 12A (as indicated by the "12" in the model), with options for higher or lower currents depending on regional power supply and user requirements.
- * Charging Modes: Supports both AC Type 2 charging standard, popular across Europe and many other regions.
- * Connector Types: Equipped with dual Type 2 sockets, enabling simultaneous charging of two vehicles or flexibility in charging different EVs.

Physical Dimensions and Build

- * Size: Compact, wall-mounted design suitable for various installation environments.
- * Material: Durable, weather-resistant casing, suitable for indoor and outdoor use.
- * Display and User Interface: Features a clear LCD or LED display for status updates, error notifications, and user instructions.

Safety and Compliance

- * Overcurrent Protection: Integrated circuit breakers and residual current devices (RCDs) to prevent electrical hazards.
- * Temperature Monitoring: Thermal sensors to prevent overheating.
- * Compliance Standards: Certified according to international standards such as IEC 61851, IEC 62196, and regional certifications for safety and interoperability.

Connectivity and Smart Features

- * Remote Monitoring: Compatible with network modules for remote diagnostics and management.
- * User Authentication: Supports RFID, PIN codes, or app-based access to prevent unauthorized use.
- * Energy Management: Capable of integrating with building energy systems for optimized power distribution.

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In-Depth Analysis of the Calira EVS 30 12 DS

Design and User Experience

The Calira EVS 30 12 DS boasts a sleek, minimalist design that seamlessly integrates into various environments. Its intuitive interface simplifies operation, with straightforward instructions displayed on the screen. The dual sockets allow two vehicles to charge simultaneously, making it highly efficient for commercial settings or households with multiple EVs.

The device's ergonomic placement and easy-to-access connectors minimize user effort, while the weatherproof casing ensures durability in outdoor installations, even under harsh conditions.

Performance and Reliability

Reliable performance is paramount in EV charging stations, and Calira excels here. The EVS 30 12 DS delivers consistent power delivery, minimizing charging times and optimizing battery health. Its advanced safety mechanisms guard against power surges, short circuits, and overheating, ensuring both user safety and equipment longevity.

The station's compatibility with various EV models and compliance with international standards make it a versatile choice. Its ability to handle high loads without degradation in performance positions it as a future-proof investment.

Safety Features

Safety is a core aspect of the Calira EVS 30 12 DS. Features include:

- * Automatic RCDs: Detect leakage currents and disconnect power immediately.
- * Overcurrent and Short Circuit Protection: Prevent damage to the vehicle and charging station.
- * Temperature Sensors: Monitor and regulate internal temperatures, shutting down if necessary.
- * Grounding and Earthing: Ensures safe operation and reduces risk of electric shocks.

These features collectively safeguard users and infrastructure, complying with stringent safety standards.

Connectivity and Smart Capabilities

The EVS 30 12 DS can be integrated into smart energy management systems, offering features such as:

- * Remote Monitoring and Control: Via dedicated apps or web portals, allowing operators to track usage, diagnose issues, and update firmware.
- * User Authentication: RFID cards, mobile apps, or PIN codes help manage access, especially in commercial or public charging stations.
- * Billing and Usage Data: Collects detailed data for billing purposes or energy audits.

Such smart capabilities facilitate efficient operation, maintenance, and user management.

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Applications and Use Cases

Residential Use

The Calira EVS 30 12 DS is suitable for home garages and driveways, offering fast, safe charging for private vehicles. Its dual socket configuration allows homeowners to charge multiple EVs or accommodate future vehicle additions.

Commercial and Public Charging

In commercial settings like workplaces, shopping centers, or public charging stations, its high capacity and smart features enable efficient management of multiple users and vehicles. The durability and safety features ensure reliable operation even under high usage.

Fleet Management

For companies managing EV fleets, the Calira EVS 30 12 DS provides a scalable and flexible charging solution, supporting multiple vehicles and integrating with fleet management software.

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Advantages of the Calira EVS 30 12 DS

- * High Power Output: Rapid charging reduces downtime.
 - * Dual Socket Design: Increased efficiency and throughput.
 - * Robust Safety Features: Ensures safe operation for users and equipment.
 - * Smart Connectivity: Supports remote management and user authentication.
 - * Durable Construction: Suitable for outdoor, long-term installations.
 - * Compliance with Standards: International certifications ensure interoperability.
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Potential Limitations and Considerations

While the Calira EVS 30 12 DS offers many advantages, potential users should consider:

- * Installation Requirements: Needs appropriate electrical infrastructure, including three-phase power.
 - * Cost: High-quality features and build quality may entail a higher initial investment.
 - * Compatibility: Verify regional standards and connector compatibility with specific EV models.
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Conclusion: Is the Calira EVS 30 12 DS the Right Choice?

The Calira EVS 30 12 DS emerges as a compelling choice for those seeking a reliable, efficient, and safe EV charging station capable of handling multiple vehicles simultaneously. Its blend of high performance, smart features, and robust safety mechanisms makes it suitable for a variety of environments—from private residences to commercial fleets and public charging networks.

Investing in the Calira EVS 30 12 DS ensures readiness for the future of mobility, supporting the growing demand for fast, safe, and convenient EV charging infrastructure. Whether upgrading existing facilities or establishing new charging points, this station offers a comprehensive solution aligned with modern standards and user expectations.

Final Thoughts

As the EV market continues to expand, the importance of dependable charging infrastructure cannot be overstated. The Calira EVS 30 12 DS exemplifies innovation and quality, setting a benchmark for dual-socket, high-capacity charging stations. Its thoughtful design, safety features, and connectivity options position it as a top contender for various applications, promising to meet and exceed the expectations of users and operators alike.

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Note: For optimal performance and safety, always ensure professional installation and adhere to local electrical codes and standards when deploying the Calira EVS 30 12 DS.

> QuestionAnswer

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- > What is the Calira EVS 30 12 DS and what is its primary function?
- > The Calira EVS 30 12 DS is an electronic voltage regulator designed for use in automotive applications to ensure a stable voltage supply and protect electrical systems from voltage fluctuations.
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- > How does the Calira EVS 30 12 DS improve vehicle electrical system performance?
- > It maintains a consistent voltage level, preventing overvoltage or undervoltage conditions, which extends the lifespan of electrical components and enhances overall vehicle reliability.
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- > Is the Calira EVS 30 12 DS compatible with all vehicle types?
- > The device is primarily designed for use in certain vehicle models; compatibility should be verified with your vehicle's specifications or consult with a professional installer.
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- > What are the installation requirements for the Calira EVS 30 12 DS?
- > Installation typically requires connecting the device to the vehicle's electrical system according to the manufacturer's instructions, often involving mounting in a suitable location and proper wiring, ideally performed by a qualified technician.

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- > Can the Calira EVS 30 12 DS help prevent electrical failures in electric vehicles?
- > Yes, by regulating voltage levels, it can help protect sensitive electronic components in electric vehicles from voltage-related
- > damage.
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- > What are the benefits of using the Calira EVS 30 12 DS over traditional voltage regulators?
- > The Calira EVS 30 12 DS offers precise electronic regulation, better responsiveness, and increased reliability compared to
- > conventional mechanical regulators.
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- > Are there any maintenance requirements for the Calira EVS 30 12 DS?
- > Generally, the device requires minimal maintenance, but periodic checks to ensure proper functioning and secure connections are
- > recommended.
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- > Where can I purchase the Calira EVS 30 12 DS?
- > It can be purchased through authorized automotive parts dealers, online retailers specializing in vehicle electronics, or
- > directly from Calira's distribution channels.
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- > What should I do if the Calira EVS 30 12 DS is not functioning properly?
- > If you experience issues, check all wiring connections, ensure proper installation, and consult the user manual. If problems
- > persist, contact a professional technician or the manufacturer for support.
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- > Is the Calira EVS 30 12 DS suitable for use in electric vehicle conversions?
- > Yes, the device can be used in electric vehicle conversions to help stabilize voltage and protect electrical components, but
- > compatibility should be confirmed based on your specific setup.

Related keywords: calira, evs 30 12 ds, battery charger, electric vehicle charger, automotive charger, 12V power supply, calira product, vehicle electronics, charging station, automotive electronics