echargy

THE ELECQ CHARGING SPECIALISTS

Charge More with Less

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Charge More with Less

About Elecq

Elecq is a technology company with a vision to be the world's leading smart charging solution provider. Our core values of Customer-First, Higher Standards, Higher Efficiency, and Faster Evolution drive our commitment to research, development, and application in the field of digital energy. Founded by industry leading experts with deep technical backgrounds, we provide customers with safe, reliable, convenient, economical, intelligent, efficient, and reliable smart charging networks. Our mission is "Mission to Zero-emission".

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Elecq Home

Impressively smart. Impossibly easy.

Why Choose Elecq Home

Elfe-touching smart

Elecq Home is a smart charging solution with an intelligent charging algorithm that automatically balances the power supply and load capacity, to ensure charging safety and efficiency. Elecq Home also supports remote monitoring and control via the Elecq APP, making charging more convenient and intelligent.

Cost-saving, hassle-free, quick and setup

- Intelligent charging algorithm: Automatically balances power supply to charge your car with a single cross between the Available and Solar.
- Solar-powered: Add Elecq's modular design by pre-installing the Available and Elecq Ready for future plug and play!
- Easy installation: Through the Elecq App with guided free and NFC-enhanced configuration for a seamless plug and play experience.

Reliable and secure

- High-protection: ensures motor main contactor and critical components to last time, with power off protection for safety.
- Multi-layer protection: Comprehensive safety features including overcurrent, overvoltage, and temperature protection. Ensures safe charging even in extreme conditions. Plus, it's equipped with a built-in residual current detection device for added peace of mind.
- Fast and reliable: Experience seamless safety for indoor and outdoor installations, withstanding extreme weather conditions.

22kW Full-Power	40/11-22/7.4 Dynamic power allocation	32A Fast charging	Reliable load control by Bluetooth	Elecq APP User-friendly
Supports up to 22kW charging for all EVs (7/11 and 16/32)	Reliable performance with dynamic power allocation	Intelligent charging algorithm, fast and safe charging	Local control and operation, without internet	Seamless integration with Elecq Energy and Elecq Cloud

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Specifications

Technical	**Electrical**	**Connectivity**	
	Charging power: Single-phase up to 22kW/32A; Three-phase up to 22kW/32A Number of socket: 1 or 2 (fully dynamic power allocation) Power factor correction: > 0.99 Efficiency: 97.6% Protection: CP-PWM-type 6 socket or socket with shutter or CE-certified charging cable Type: Type 2 Cable length: 5m Power factor correction: > 0.99 Load management: Up to 5 chargers in the same group Load balancing: Dynamic power allocation Power Meter: Included Power Meter cable length: 5m Power Meter model: Eastron SDM630-Modbus-CT Power Meter: Inside	Card: CE with built-in eMMI or Standard OCPP card APP: Bluetooth Bluetooth: 4.2 BLE Wi-Fi: 2.4GHz Wi-Fi standard: IEEE 802.11b/g/n Ethernet: 10/100 Mbps Cable: CE with Built-in eMMI or Standard OCPP card Ethernet: 10/100 Mbps Cable: CE with built-in eMMI or Standard OCPP card	
		Interaction	
		LED: Light strip showing the status of the charger Button: Button for start/stop charging	
		General	
		Dimensions: 295×91×164mm Weight: 1.5kg Operating temperature: -30~55°C Storage temperature: -40~85°C Operating altitude: ≤2000m	
Safety	**Protection**	**Compliance**	
	Integrated overload protection according to IEC 61851-1:2017 RCD: 6 mA DC in-built RCD: 30 mA DC for ground fault protection CE-certified charging cable (Type 2 socket or hardwired version) Surge protection: Type 2 Insulation class: II Protection degree: IP65 Protection degree: IK10 with CE-certified charging cable	Ref EN 61851-1 EN 301 489-1 EN 301 489-3 EN 300 328 EN 300 330 EN 62311 EN 62479 EN 300 220	
		Theft protection	
		Ref EN 62752 Charging cable can be locked with padlock Positive lock for theft protection	
		Compliance	
		RED EN 301 489-1 EN 301 489-3 EN 300 328 EN 300 330 EN 62311 EN 62479 EN 300 220	

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Elecq Biz

Maximizing profits. Stunning economy.

Why Choose Elecq Biz

Efficient to install, scale, setup and maintain

Elecq Biz is a smart charging solution with an intelligent charging algorithm that automatically balances the power supply and load capacity, to ensure charging safety and efficiency. Elecq Biz also supports remote monitoring and control via the Elecq APP, making charging more convenient and intelligent.

Elecq Biz is equipped with over 80% accuracy through and real-time and secure data uploads to the Elecq Cloud.

Elfe-touching smart

Elecq Biz is a smart charging solution for utilizing Elecq Cloud to find the most cost-effective charging plan based on local electricity rates and operational needs.

Elecq Biz is equipped with over 80% accuracy through and real-time and secure data uploads to the Elecq Cloud.

Elecq Biz supports multi-site management, user-based access, and detailed charging history for easy oversight.

Future-proof

- Elecq Biz supports 100 user accounts for easy management of charging sessions and user access.
- Elecq Biz supports 100 user accounts for easy management of charging sessions and user access.
- Regular updates and enhancements ensure a safe and future-proof product for users.
- Elecq Biz is equipped with over-the-air (OTA) updates, allowing for easy and seamless software enhancements and accessibility at every stage.

22kW Full-Power	40/11-22/7.4 High-performance charging	32A Uptime	24/7 Remote self- monitoring	ACE Ready
High-charging power for fast charging of multiple EVs	Reliable performance with dynamic power allocation	Robust connectivity, ensuring minimal downtime	Self-organizing network for easy setup and maintenance	CCS support and ISO 15118 for plug and charge and additional revenue opportunities

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Specifications

Technical	**Electrical**	**Connectivity**	
	Charging power: Single-phase up to 22kW/32A; Three-phase up to 22kW/32A Number of socket: 1 or 2 (fully dynamic power allocation) Power factor correction: > 0.99 Efficiency: 97.6% Protection: CP-PWM-type 6 socket or socket with shutter or CE-certified charging cable Type: Type 2 Cable length: 5m Power factor correction: > 0.99 Load management: Up to 5 chargers in the same group Load balancing: Dynamic power allocation Power Meter: Included Power Meter cable length: 5m Power Meter model: Eastron SDM630-Modbus-CT Power Meter: Inside	Card: CE with built-in eMMI or Standard OCPP card APP: Bluetooth Bluetooth: 4.2 BLE Wi-Fi: 2.4GHz Wi-Fi standard: IEEE 802.11b/g/n Ethernet: 10/100 Mbps Cable: CE with Built-in eMMI or Standard OCPP card Ethernet: 10/100 Mbps Cable: CE with built-in eMMI or Standard OCPP card	
		Interaction	
		LED: Light strip showing the status of the charger Button: Button for start/stop charging	
		General	
		Dimensions: 295×91×164mm Weight: 1.5kg Operating temperature: -30~55°C Storage temperature: -40~85°C Operating altitude: ≤2000m	
Safety	**Protection**	**Compliance**	
	Integrated overload protection according to IEC 61851-1:2017 RCD: 6 mA DC in-built RCD: 30 mA DC for ground fault protection CE-certified charging cable (Type 2 socket or hardwired version) Surge protection: Type 2 Insulation class: II Protection degree: IP65 Protection degree: IK10 with CE-certified charging cable	Ref EN 61851-1 EN 301 489-1 EN 301 489-3 EN 300 328 EN 300 330 EN 62311 EN 62479 EN 300 220	
		Theft protection	
		Ref EN 62752 Charging cable can be locked with padlock Positive lock for theft protection	
		Compliance	
		RED EN 301 489-1 EN 301 489-3 EN 300 328 EN 300 330 EN 62311 EN 62479 EN 300 220	

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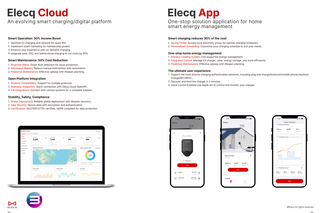
Elecq DC Series

Beyond fast. Stopless flexibility.



Features

Beyond fast

- 480kW concurrent
- Solid-state switch and simultaneous 4 power sharing with zero power interruption

Stopless flexibility

- Stopless dynamic load management with zero power interruption

Superior efficiency

- Top-tier efficiency with bi-directional charger
- Top-tier efficiency with bi-directional charger

Higher uptime

- Fast delivery, secured performance
- Remote updates & diagnostics

Five More Reasons to Choose Elecq

High Voltage EV Ready

Ready for the next generation of high-voltage EVs, with 1000V.

Bidirectional charger(V2X, V2H)

Starting using the car to power the home for resilience benefits and reduced energy bills.

Cutting Edge Cooling

Liquid cooling for the charging cable.

Lower noise 50dBA@1m

Ultra-low noise level for maximum flexibility in load efficiency and load dissipation

Green standby

Ultra-low power consumption for energy conservation

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Product Portfolio Illustration

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Station 60

Compact wall-mountable 60kW charger.

Features

Beyond fast

- 60kW concurrent
- Solid-state switch and simultaneous 4 power sharing with zero power interruption

Stopless flexibility

- Stopless dynamic load management with zero power interruption

Superior efficiency

- Top-tier efficiency with bi-directional charger
- Top-tier efficiency with bi-directional charger

Higher uptime

- Fast delivery, secured performance
- Remote updates & diagnostics

Specifications

Electrical		**Connectivity**	
AC nominal voltage (RMS): 400V/415V AC minimum voltage (RMS): 304V AC maximum voltage (RMS): 528V Frequency: 50Hz Operating temperature: 0°C to 21°C to 21°C Power factor: > 0.99 Total harmonic distortion: < 5% @full load Efficiency: up to 97% Efficiency at 50% load: 96% Integrated overcharge/discharge protection: DFTD: Type 2+3 Maximum load DC output power: 60kW when charging one vehicle; total power is shared between 4 vehicles (DFTD) Maximum load DC output power: 60kW when charging one vehicle; total power is shared between 4 vehicles (DFTD) Power factor DC voltage range: 200Vdc - 1000Vdc Power factor DC voltage range: 200Vdc - 1000Vdc Power factor DC voltage range: 200Vdc - 1000Vdc Charging cable length: 5m with Intelligent System CCS2 Combo 2 Plug		4G LTE with built-in eMMI or Standard OCPP card 4G LTE antenna for external antenna connection Ethernet port Ethernet: 10/100 Mbps Cable: CE with Built-in eMMI or Standard OCPP card Intelligent system interaction Intelligent system interaction Intelligent system interaction	
		User Interface	
		7" touch screen 7" touch screen 7" touch screen	
System specification		**Compliance**	
Operating & storage: -40~70°C Operating & storage: -40~85% Environmental conditions, storage: -40~85% Environmental conditions, storage: -40~85% Environmental conditions, outdoor transport: -40~70°C Environmental conditions, outdoor transport: -40~70°C Dimensions (HxWxD): 1200mm×600mm×300mm Dimensions (HxWxD): 1200mm×600mm×300mm Dimensions (HxWxD): 1200mm×600mm×300mm Weight: 150kg Weight: 150kg Weight: 150kg		Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 EN 61851-1, IEC 61851-23, IEC 61439-7 as per Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 EN 61851-1, IEC 61851-23, IEC 61439-7 as per Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 EN 61851-1, IEC 61851-23, IEC 61439-7 as per Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002	
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		MID EN 50 130, EN 55 024, EN 55 032, CFR 47 FCC Part 15 B, ICES-003 MID EN 50 130, EN 55 024, EN 55 032, CFR 47 FCC Part 15 B, ICES-003 MID EN 50 130, EN 55 024, EN 55 032, CFR 47 FCC Part 15 B, ICES-003	

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Station 240

Powerful 240kW fast charger with 2W/W granularity. Dual 240kW in CSPE mode.

Features

Beyond fast

- 240kW concurrent
- Solid-state switch and simultaneous 4 power sharing with zero power interruption

Stopless flexibility

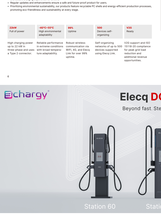
- Stopless dynamic load management with zero power interruption

Superior efficiency

- Top-tier efficiency with bi-directional charger
- Top-tier efficiency with bi-directional charger

Higher uptime

- Fast delivery, secured performance
- Remote updates & diagnostics



Specifications

Electrical		**Connectivity**	
AC nominal voltage (RMS): 400V/415V AC minimum voltage (RMS): 304V AC maximum voltage (RMS): 528V Frequency: 50Hz Operating temperature: 0°C to 21°C to 21°C Power factor: > 0.99 Total harmonic distortion: < 5% @full load Efficiency: up to 97% Efficiency at 50% load: 96% Integrated overcharge/discharge protection: DFTD: Type 2+3 Maximum load DC output power: 240kW when charging one vehicle; total power is shared between 4 vehicles (DFTD) Maximum load DC output power: 240kW when charging one vehicle; total power is shared between 4 vehicles (DFTD) Power factor DC voltage range: 200Vdc - 1000Vdc Power factor DC voltage range: 200Vdc - 1000Vdc Power factor DC voltage range: 200Vdc - 1000Vdc Charging cable length: 5m with Intelligent System CCS2 Combo 2 Plug		4G LTE with built-in eMMI or Standard OCPP card 4G LTE antenna for external antenna connection Ethernet port Ethernet: 10/100 Mbps Cable: CE with Built-in eMMI or Standard OCPP card Intelligent system interaction Intelligent system interaction Intelligent system interaction	
		User Interface	
		7" touch screen 7" touch screen 7" touch screen	
System specification		**Compliance**	
Operating & storage: -40~70°C Operating & storage: -40~85% Environmental conditions, storage: -40~85% Environmental conditions, storage: -40~85% Environmental conditions, outdoor transport: -40~70°C Environmental conditions, outdoor transport: -40~70°C Dimensions (HxWxD): 1200mm×600mm×300mm Dimensions (HxWxD): 1200mm×600mm×300mm Dimensions (HxWxD): 1200mm×600mm×300mm Weight: 150kg Weight: 150kg Weight: 150kg		Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 EN 61851-1, IEC 61851-23, IEC 61439-7 as per Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 EN 61851-1, IEC 61851-23, IEC 61439-7 as per Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 EN 61851-1, IEC 61851-23, IEC 61439-7 as per Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002	
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Station 480

Powerful 480kW fast charger with 2W/W granularity. Dual 480kW in CSPE mode.

Features

Beyond fast

- 480kW concurrent
- Solid-state switch and simultaneous 4 power sharing with zero power interruption

Stopless flexibility

- Stopless dynamic load management with zero power interruption

Higher uptime

- Fast delivery, secured performance
- Remote updates & diagnostics

Specifications

Electrical		**Connectivity**	
AC nominal voltage (RMS): 400V/415V AC minimum voltage (RMS): 304V AC maximum voltage (RMS): 528V Frequency: 50Hz Operating temperature: 0°C to 21°C to 21°C Power factor: > 0.99 Total harmonic distortion: < 5% @full load Efficiency: up to 97% Efficiency at 50% load: 96% Integrated overcharge/discharge protection: DFTD: Type 2+3 Maximum load DC output power: 480kW when charging one vehicle; total power is shared between 4 vehicles (DFTD) Maximum load DC output power: 480kW when charging one vehicle; total power is shared between 4 vehicles (DFTD) Power factor DC voltage range: 200Vdc - 1000Vdc Power factor DC voltage range: 200Vdc - 1000Vdc Power factor DC voltage range: 200Vdc - 1000Vdc Charging cable length: 5m with Intelligent System CCS2 Combo 2 Plug		4G LTE with built-in eMMI or Standard OCPP card 4G LTE antenna for external antenna connection Ethernet port Ethernet: 10/100 Mbps Cable: CE with Built-in eMMI or Standard OCPP card Intelligent system interaction Intelligent system interaction Intelligent system interaction	
		User Interface	
		7" touch screen 7" touch screen 7" touch screen	
System specification		**Compliance**	
Operating & storage: -40~70°C Operating & storage: -40~85% Environmental conditions, storage: -40~85% Environmental conditions, storage: -40~85% Environmental conditions, outdoor transport: -40~70°C Environmental conditions, outdoor transport: -40~70°C Dimensions (HxWxD): 1200mm×600mm×300mm Dimensions (HxWxD): 1200mm×600mm×300mm Dimensions (HxWxD): 1200mm×600mm×300mm Weight: 150kg Weight: 150kg Weight: 150kg		Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 EN 61851-1, IEC 61851-23, IEC 61439-7 as per Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 EN 61851-1, IEC 61851-23, IEC 61439-7 as per Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002 EN 61851-1, IEC 61851-23, IEC 61439-7 as per Ref. 2.FTD.EN.RE.001.EN.ENG SPEC.TECH. 002	
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Elecq Cloud

An evolving smart charging/digital platform

Smart Operation: 20% Income Boost

- Optimized charging schedules and dynamic pricing
- Maximize revenue and reduce peak demand charges
- Enhance user experience with an intuitive charging

Smart Maintenance: 30% Cost Reduction

- Proactive Alerts: Get alerted for issue prevention
- Remote Diagnostics: Troubleshoot and resolve issues remotely
- Predictive Maintenance: Minimize downtime with AI-driven planning

Open Platform Integration

- Seamless Integration: Connect with multiple protocols
- Customizable Interfaces: Tailor the platform to your needs
- Future-Proof Technology: Stay ahead with continuous innovation

Stability, Safety, Compliance

- Robust Infrastructure: Reliable system for accuracy
- Data Security: Secure data with encryption and authentication
- Regulatory Compliance: Meet industry standards and regulations

Elecq APP

One-stop solution application for home smart energy management

Smart charging reduces 30% of the cost

- Real-time Monitoring: Track energy usage and charging status.
- Remote Control: Start, stop, and schedule charging sessions from anywhere.

One-stop home energy management

- Elecq Energy: Monitor solar production and energy consumption.
- Elecq Charging: Control and optimize EV charging for cost and efficiency.
- Powerful Integrations: Effortless updates with lifespan charging.

The ultimate in convenience

- Multi-Device Support: Access from smartphones, tablets, including any and chargeboxes&multi-mobile phone,Elecq Charging&EVBox.
- Quick Setup: Get started with charge in 3 minutes.
- Intuitive Interface: Easy-to-use controls and monitor your charge.

Elecq Power Monitor

Specifications

Technical		**Connectivity**	
Max. 80A Current clamp per MPPT or battery: 100A/50mV RS485	**General** Input Voltage: AC 230V AC Dimension: 72×72×90mm Weight: 0.3kg Operating temperature: -30~55°C Storage temperature: -40~85°C Operating altitude: ≤2000m	**User Interface** LED: Light strip showing the status	
Protection			
Degree of protection: IP52 Overvoltage category II Surge protection level: III/2kA			

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Elecq Power Master

Specifications

Technical		**Connectivity**	
Max. 80A Current clamp per MPPT or battery: 100A/50mV RS485	**General** Input Voltage: AC 230V AC Dimension: 72×72×90mm Weight: 0.3kg Operating temperature: -30~55°C Storage temperature: -40~85°C Operating altitude: ≤2000m	**User Interface** LED: Light strip showing the status	
Protection			
Degree of protection: IP52 Overvoltage category II Surge protection level: III/2kA			

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