

Sinotek

Powered by **tuya**

Home EV Charger

- OMNI-CONNECT System
- Solid-Core EV Connector
- TOU/Dynamic Rate Support
- Solar-Only Charging
- Dynamic Load Balancing
- Built-in OCPP Integration



OEM Welcome



Charge Smarter, Pay Less.

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China Factory





Since our founding in 1998, Sinotek has been dedicated to charging cables, chargers, outdoor lights, tools, and electronic assemblies, establishing itself as a leading OEM and ODM provider known for original design and manufacturing excellence.

In 2019, we expanded our footprint by opening a joint factory in Vietnam, complementing our established facilities in China. This addition enables Sinotek to provide comprehensive, fast, and adaptable production and shipping solutions to meet the demands of a rapidly evolving market.

Our China and Vietnam factories are both ISO9001 and ISO14001 certified, ensuring the same high standards across R&D, production, and quality control. This unified approach guarantees that the quality of products and services across locations remains exceptional.

Why Choose Sinotek?

- **Innovative R&D:** Our dedicated R&D team excels in innovative product design, rapid prototyping, and redefining innovation.
- **Decades of Expertise:** With over twenty years in the industry, we bring deep expertise and insight to cable and charger design and manufacturing.
- **Strategic Dual Factories & Efficient Operations:** With strategically located plants in China and Vietnam, we ensure seamless production, efficient logistics network to meet customer demands swiftly.

At Sinotek, we are not just a manufacturer, but your trusted partner in driving innovation forward.

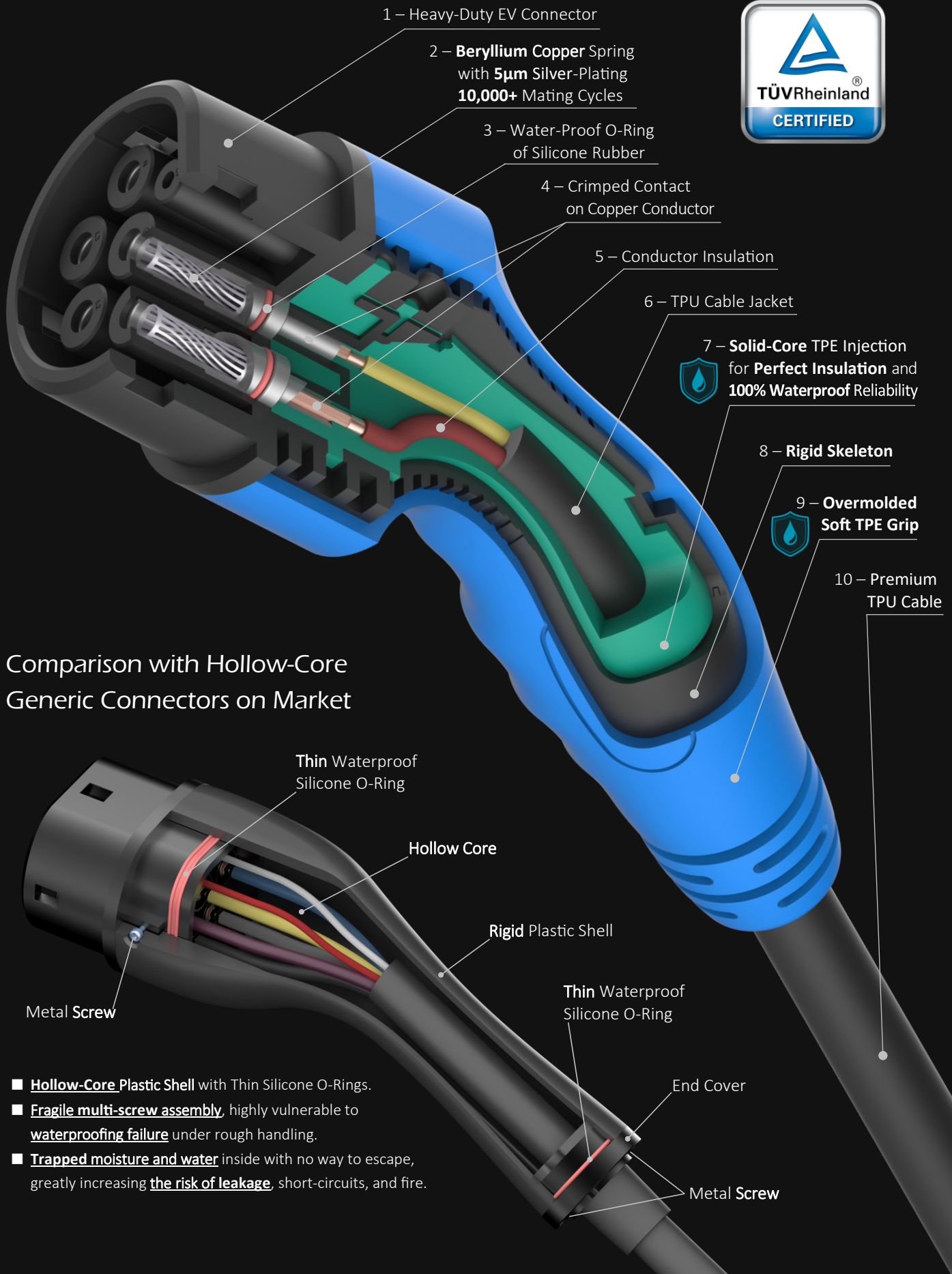
Dual Manufacturing Bases in China and Vietnam

Vietnam Factory





Fully Overmolded Solid-Core EV Connector Build for Extreme Reliability



- **Hollow-Core** Plastic Shell with Thin Silicone O-Rings.
- **Fragile multi-screw assembly**, highly vulnerable to waterproofing failure under rough handling.
- **Trapped moisture and water** inside with no way to escape, greatly increasing the risk of leakage, short-circuits, and fire.

What is the Difference?

Solid-Core Injection for Perfect Waterproofing

- ✓ **Void-Free TPE Overmolding:** Thermal-Plastic Elastomer (TPE) is precision-injected to achieve a 100% solid, void-free core.
- ✓ **Flawless Waterproof Protection:** Guarantees absolute seal integrity, completely eliminating the risk of moisture or water ingress.
- ✓ **High-Strength Insulation:** Significantly boosts dielectric strength for maximum hardware durability and system reliability.
- ✓ **Automotive-Grade Safety:** Drastically reduces any risk of electrical leakage, shock, short-circuits, and fire.

Robust Construction

- ✓ **Rigid Skeleton and Heavy-Duty TPE Armor:** Overmolded with high-durability Thermoplastic Elastomer to provide robust, impact-resistant protection.
- ✓ **Crush-Proof and Vehicle Drive-Over Resistant:** Engineered to withstand extreme rough handling and easily endure being run over by a passenger vehicle.

High Durable Silver-Plated Contacts

- ✓ **Premium Beryllium Copper Contacts:** Engineered with premium CuBe alloy springs to prevent material fatigue and extend service life.
- ✓ **10,000+ Mating Cycles:** Proven durability to withstand over 10,000 insertions—equivalent to 20+ years of reliable daily charging.
- ✓ **Heavy 5µm Silver Electroplating:** Generously coated with a 5µm layer of pure silver, ensuring maximum wear resistance.
- ✓ **Exceptional Performance:** Delivers ultra-low contact resistance and flawless, highly efficient conductivity.

Certified Quality per IEC/EN/TÜV Standards

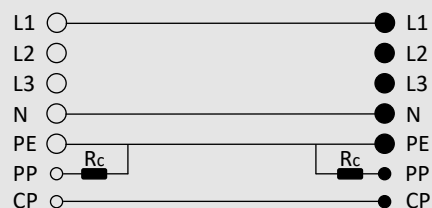
- ✓ **TÜV Rheinland Certified:** Formally tested, verified, and certified by world-renowned TÜV Rheinland Lab.
- ✓ **Full IEC/EN Compliance:** Fully compliant with IEC standards 62196, 60309, 61851, 62529, and 62752.
- ✓ **Universal European Compatibility:** Engineered for flawless interoperability with all European EVs and charging infrastructure.

TÜV Rheinland Certification



3.5 & 7 kW

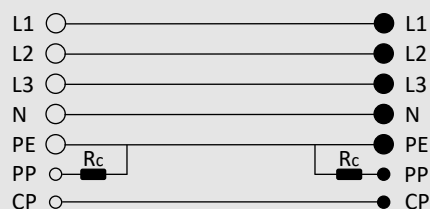
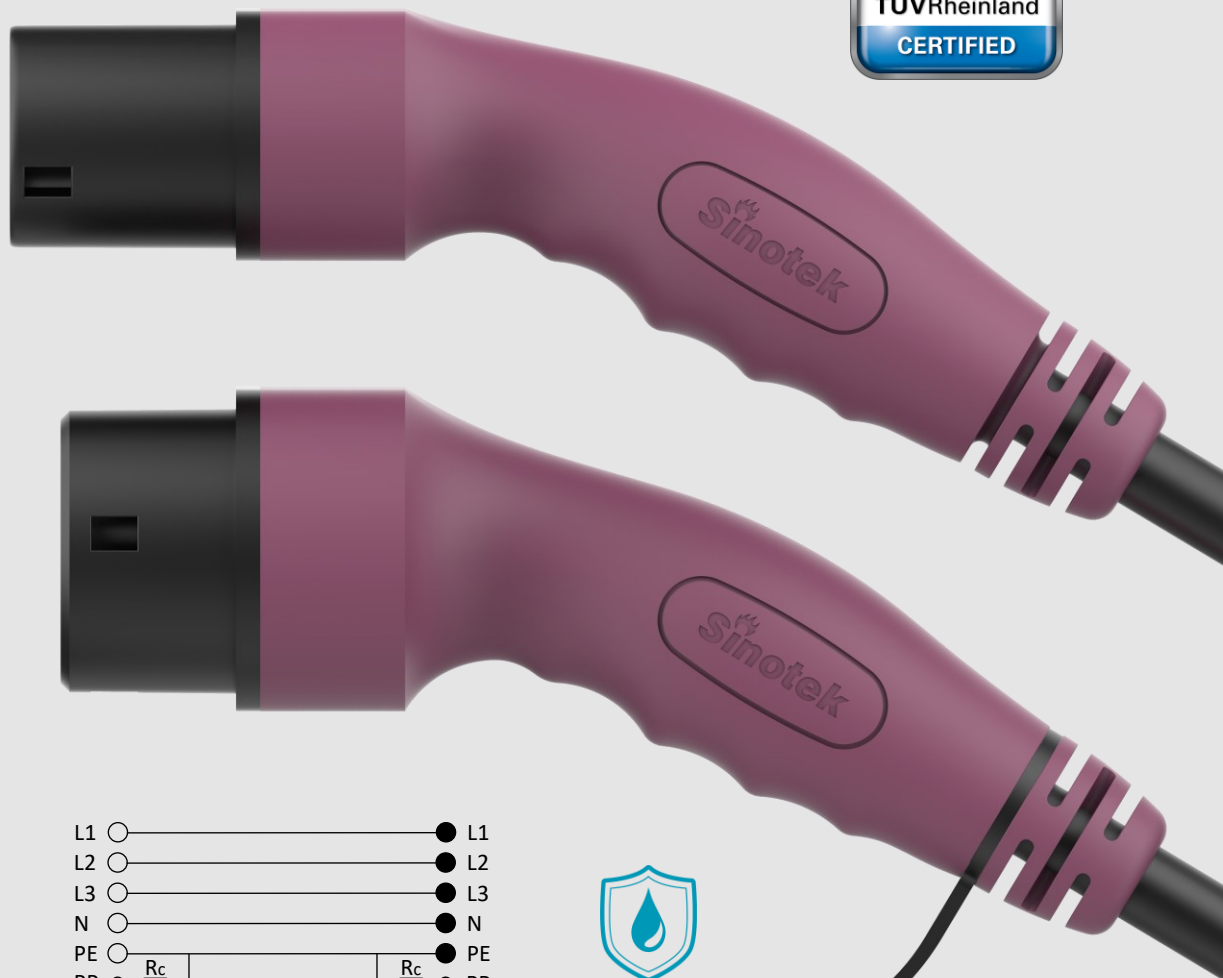
1-PHASE EUROPEAN EV CHARGING CABLE



Model Number	A1-1P16-5000	A1-1P32-5000
Power Output	3.5 kW	7 kW
Rated Current	16 A, $R_c=680\ \Omega$	32 A, $R_c=220\ \Omega$
Cable Conductor	$2.5\ \text{mm}^2 \times 3\text{C}$	$6.0\ \text{mm}^2 \times 3\text{C}$
Cable Overall Diameter	$\varnothing 10.5\ \text{mm}$	$\varnothing 13.2\ \text{mm}$
Cable Length	3000, 5000, and 7500 mm max	
Rated Voltage	230 V (L-N) AC, 1-phase, 50/60 Hz	
Protection Degree	IP54	
Storage Condition	$-40\sim 85^\circ\text{C}$, 95% RH max	
Working Temperature	$-35\sim 50^\circ\text{C}$ Premium TPU Cable, Ultra-Flex in Cold Weather	
Service Life	10000 cycles min	
Connectors	IEC 62196-2 Type 2-Ille for car end IEC 62196-2 Type 2-Ilb for charger end Soft TPE over-molding	

11 & 22 kW

3-PHASE EUROPEAN EV CHARGING CABLE



Model Number	A1-3P16-5000	A1-3P32-5000
Power Output	11 kW	22 kW
Rated Current	16 A, $R_c=680 \text{ ohm}$	32 A, $R_c=220 \text{ ohm}$
Cable Conductor	$2.5 \text{ mm}^2 * 5C$	$6.0 \text{ mm}^2 * 5C$
Cable Overall Diameter	$\varnothing 13.2 \text{ mm}$	$\varnothing 16.2 \text{ mm}$
Cable Length	3000, 5000, and 7500 mm max	
Rated Voltage	400/230 V (L-L/L-N) AC, 3-phase, 50/60 Hz	
Protection Degree	IP54	
Storage Condition	$-40 \sim 85^\circ\text{C}$, 95% RH max	
Working Temperature	$-35 \sim 50^\circ\text{C}$ Premium TPU Cable, Ultra-Flex in Cold Weather	
Service Life	10000 cycles min	
Connectors	IEC 62196-2 Type 2-Ile for car end IEC 62196-2 Type 2-IIb for charger end Soft TPE over-molding	



Powered by 

ALERT-POP™ CONTROL BOX



Wi-Fi Connection (optional)

Real-time Charging Current

Real-time Charging Power

Total Charging Time

Set Charging Current

Scheduled Charging Delay

Amp Key (A Key)

Clock Key (C Key)

Key	Before Connection	Connected
A	Amp setting	Long press to set amp
C	Timer setting	Long press to set timer
A+C	System setup	Disabled

LED Status Indicator

Status	LED Color
Initial self-test	White
Standby / complete	Blue
Charging	Rolling green
Critical error	Flash red
Other error	Red

Sinotek

32.3 A 232 V
22.6 kW 42°C
2:36 56.9 kWh
32 A 00:00

3-Phase Power

Real-time Voltage

Temperature of power plug (3.5kW) or control box (others)

Charging Status

Total Charged Energy

EV Connection

Status	Icon Color
Ready to connect	White
Connected	Green
Connection error	Red
EV Diode error	Gray

Wall Socket Grounding

Status	Icon Color
Grounded	Green
Grounding Error	Red

Silicone-Polycarbonate Housing

Engineered for superior impact resistance and toughness in extreme cold conditions as low as -40°C.

Control box passes 1100kg vehicle drive-over test.

Waterproof Strain Relief of Silicone Rubber

Premium TPU Cable

Ultra-Flex in Cold Weather

A dedicated **Alert-Pop Demo Unit** is available to quickly and effectively demonstrate the safety features.

What is the Difference?

TÜV Rheinland Certification

Certified Quality per IEC/EN/TÜV Standards

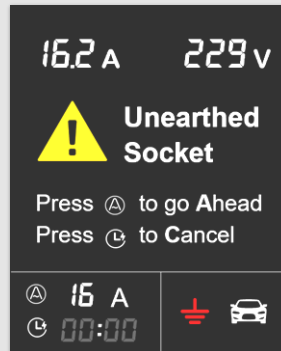
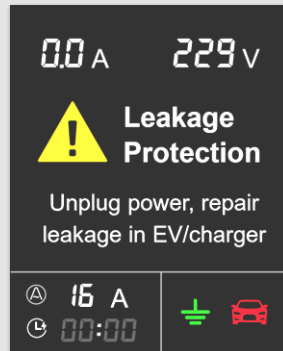
- ✓ **Full IEC Compliance:** Engineered in strict accordance with IEC 62752, 61851, 62196, 60309, 62529, and EN 18031-1:2024 ensuring max safety, interoperability, and global compatibility.
- ✓ **TÜV Rheinland Certified:** Thoroughly tested and certified by the world-renowned TÜV Lab to guarantee uncompromising quality and functional safety.

Advanced Safety Features

- ✓ **Type B RCD for Leakage Protection:**



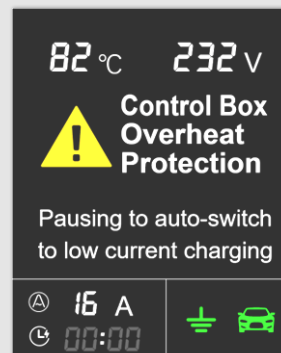
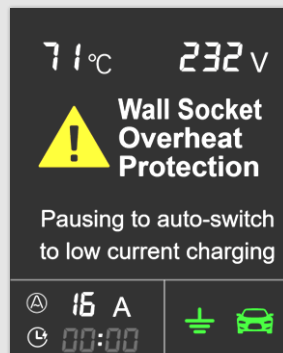
Equipped with an integrated Type B Residual Current Device (RCD) to guard against both AC (30 mA) and DC (6 mA) leakage for max personnel safety.



- ✓ **Wall Socket Overheat Protection:**



A built-in thermal sensor monitors plug temperature, halting the charging session above **70°C**, and automatically resuming at a derated current once it cools below **60°C**. (Note: Applicable to domestic plugs only; excludes CEE industrial plugs.)



- ✓ **Control Box Over-Heat Protection:**



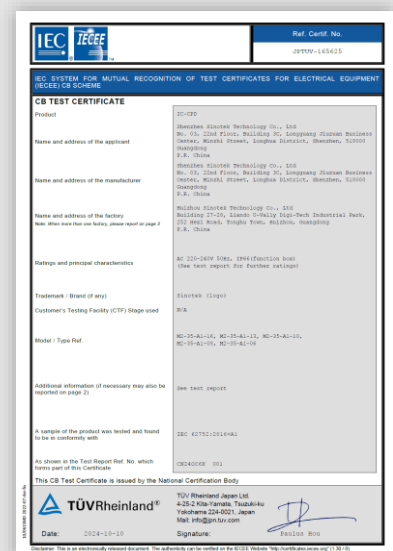
If the internal temperature hits **80°C**, charging shuts down immediately for safety. Once it cools down to **75°C**, the system automatically resumes at a derated current. When the temperature drops below **70°C**, it fully restores to full-power charging.



TÜV Rheinland Certificate



Certificate of EU EMC Conformity



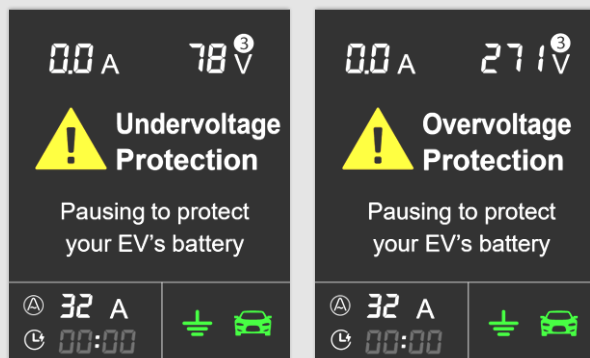
TÜV Rheinland CB Test Report

Advanced Safety Features (Continued)



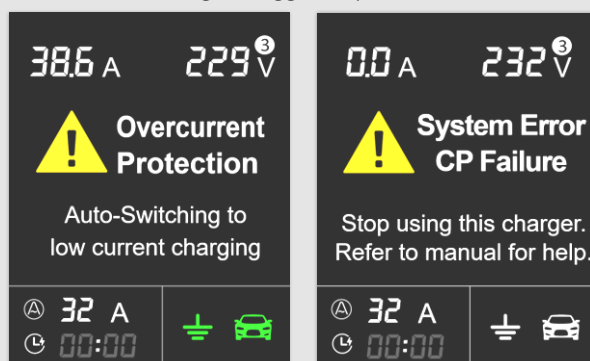
Undervoltage/Overvoltage Protection:

If grid voltage drops below 80 V or rises above 270 V, the control box pauses. Once the voltage returns to normal, the charging session will automatically resume.



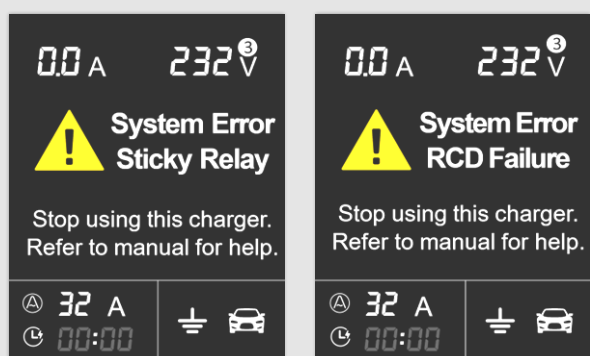
Overcurrent Protection:

If current exceeds the greater of 2A or 20%, charging pauses for 1 min before a derated restart. A second overcurrent lasting 5s triggers a permanent shutdown.



Intelligent Self-Diagnostics:

Upon boot, the control box automatically executes a comprehensive self-test—including power grounding, sticky relay detection, and RCD performance checks—to ensure absolute operational safety.

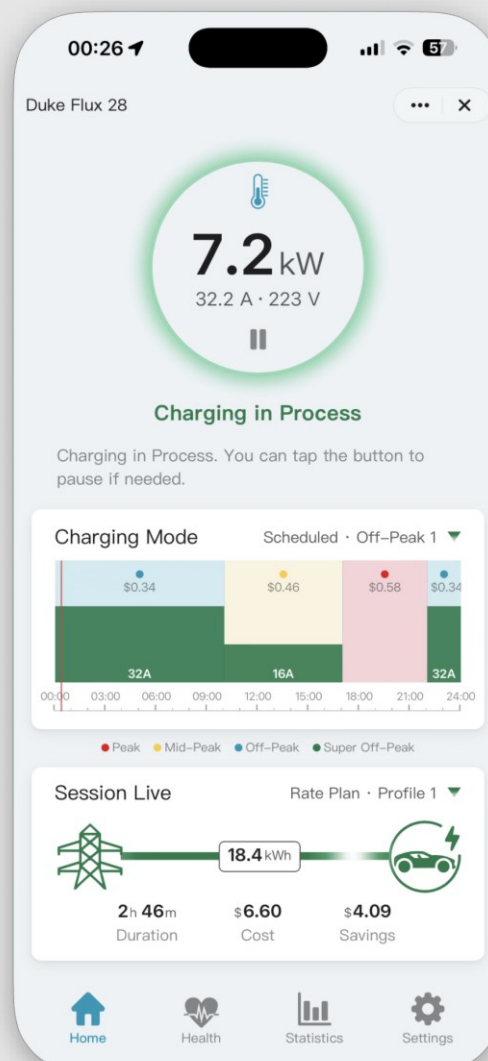


A dedicated **Fault Simulation Demo Unit** is available to quickly demonstrate the above safety features.



mobile App on iOS and Android

- **Real-Time Monitoring:** Live tracking of current, voltage, and output power.
- **Energy Data Logging:** Full transparency on total energy consumption and session duration.
- **Customizable Settings:** Remote control of charging preferences directly via the app.
- **Intelligent Security Alerts:** Instant updates on system health and critical safety events.
- **User-Friendly Interface:** Clean, intuitive layout for effortless navigation and control.



What is the Difference?

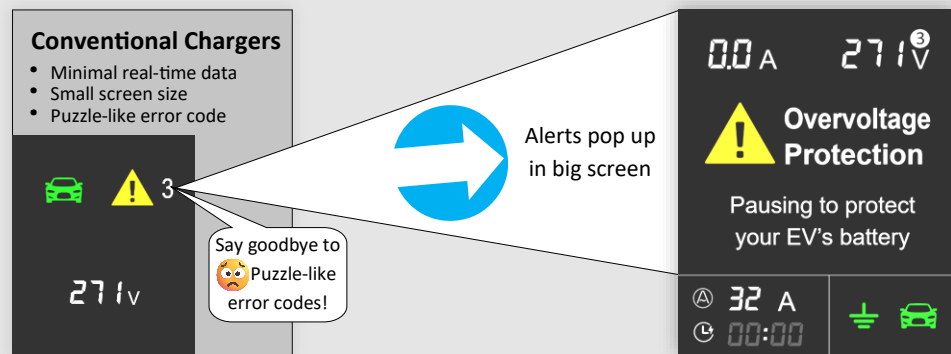
Friendly Interaction

✓ **Clear Text Alert—Say Goodbye to Puzzle-like Error Codes:**

No more guesswork! Your control box screen now displays security alerts in clear, plain language instead of puzzling fault codes.

✓ **Stay Informed Anytime, Anywhere:**

The **tuya** app keeps you updated by syncing all critical charging details and real-time alerts directly on your smartphone screen.



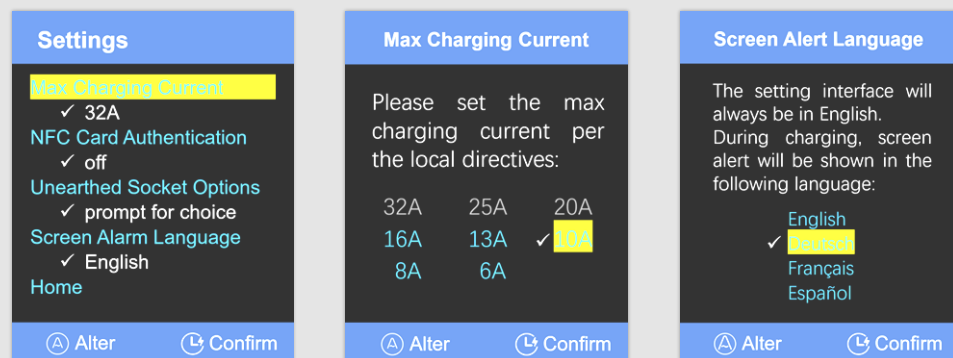
Personalized Charging Experience

✓ **Customizable Settings:**

Tailor your charging preferences to your exact needs with flexible configurations—including max current limits, NFC card authentication, ungrounded, and more.

✓ **Multi-Language Alerts:**

Display in English, German, French, Italian, Spanish, and Portuguese.





3.5 kW

Powered by **tuya**

MODE 2 IC-CPD

PORTABLE EV CHARGER



Schuko Plug
UK Plug
Italian Plug
Swiss Plug
Denmark Plug
CEE Camping Plug
Australian Plug
Israeli Plug
Brazilian Plug
International Plugs
16 A max



Built-in Thermal
Sensor Monitoring

70°C Auto-Shutoff

71°C 232 V

**Wall Socket
Overheat
Protection**

Cooling to auto-switch
to low current charging

16 A
00:00

Technical Details on Page 9

Key Parameters

Model No.	M2-35	M2-35W
Communication Protocol	Non Wi-Fi	Tuya Wi-Fi
Power Plug	Household Plugs, or 16 A, 1-phase CEE Plug	
Power Output	3.68 kW max	
Rated Current	16 A, $R_c=680$ ohm	
Rated Voltage	110-230 V AC, 1-Phase, 50/60 Hz	
Residual Current Protection Device (RCD) Protection	Type B AC 30 mA + DC 6 mA Protection	
Rated DC Residual Operating Current($I_{\Delta n}$)	30 mA	
Degree of Protection	IP66 (Control Box) IP54 (EV Connector)	
Premium TPU Cable	2.5 mm ² *3C OD: Ø10.5 mm	
Storage Condition	-40~85°C, 95% RH max	
Working Temperature	-25~45°C	
Operating Altitude	Up to 2000 m	



Temperature
of power plug





1-Phase
7 kW@**32 A**
CEE Industrial Plug

7.0 kW Powered by **tuya**

MODE 2 IC-CPD

PORTABLE EV CHARGER



Key Parameters

Model No.	M2-7	M2-7W
Communication Protocol	Non Wi-Fi	Tuya Wi-Fi
Power Plug	32 A, 1-phase CEE Plug	
Power Output	7.36 kW max	
Rated Current	32 A, R _c =220 ohm	
Rated Voltage	110-230 V AC, 1-Phase, 50/60 Hz	
Residual Current Protection Device (RCD) Protection	Type B AC 30 mA + DC 6 mA Protection	
Rated DC Residual Operating Current(I _{Δn})	30 mA	
Degree of Protection	IP66 (Control Box) IP54 (EV Connector) IP44 (CEE Plug)	
Premium TPU Cable	6.0 mm ² *3C OD: Ø13.2 mm	
Storage Condition	-40~85°C, 95% RH max	
Working Temperature	-25~45°C	
Operating Altitude	Up to 2000 m	



11 kW Powered by **tuya**

MODE 2 IC-CPD

PORTABLE EV CHARGER



Tuya Smart Connectivity for Full Control

Control your EV charger through a mobile app, remote monitor charging, schedule sessions, and get real-time alerts.

Key Parameters

Model No.	M2-11	M2-11W
Communication Protocol	non Wi-Fi	Tuya
Power Output	11 kW	
Rated Voltage	110-230 V (L-N) AC, 3-Phase, 50/60 Hz	
Rated Current	16 A, $R_c=680$ ohm	
Residual Current Protection Device (RCD) Protection	Type B AC 30 mA + DC 6 mA Protection	
Rated DC Residual Operating Current ($I_{\Delta n}$)	30 mA	
Remote control via Wi-Fi and Bluetooth	Mobile App on iOS and Android	
Degree of Protection	IP66 (Control Box) IP54 (EV Connector) IP44 (CEE Plug)	
Premium TPU Cable	2.5 mm ² *5C, OD: Ø13.2 mm	
Working Temperature	-25~45°C	
Operating Altitude	Up to 2000 m	



tuya mobile App on iOS and Android

Power Adaptors for Various EU Sockets



M211-32A3P

CEE female to CEE 32 A 3-Phase Plug,
3-Phase 11 kW max @16 A, 0.2 M



M211-32A1P

CEE female to CEE 32 A 1-Phase plug,
1-Phase 3.68 kW max @16 A, 0.2 M



M211-16A1P

CEE female to CEE 16 A camping plug,
1-Phase 3.68 kW max @16 A, 0.2 M



M211-SK

CEE female to Schuko plug,
1-Phase 3.68 kW max @16 A, 0.2 M

22 kW Powered by 

MODE 2 IC-CPD

PORTABLE EV CHARGER



Smart Amp-Safe

Derates the max charging current to **16 A** automatically when connected to a domestic 16 A power adaptor.

Key Parameters

Model No.	M2-22	M2-22W
Communication Protocol	non Wi-Fi	Tuya
Power Output	22 kW	
Rated Voltage	110-230 V (L-N) AC, 3-Phase, 50/60 Hz	
Rated Current	32 A, $R_c=220\ \Omega$	
Residual Current Protection Device (RCD) Protection	Type B AC 30 mA + DC 6 mA Protection	
Rated DC Residual Operating Current ($I_{\Delta n}$)	30 mA	
Remote control via Wi-Fi and Bluetooth	Mobile App on iOS and Android	
Degree of Protection	IP66 (Control Box) IP54 (EV Connector) IP44 (CEE Plug)	
Premium TPU Cable	6.0 mm ² *5C, OD: Ø16.2 mm	
Working Temperature	-25~45°C	
Operating Altitude	Up to 2000 m	



Key Features

tuya mobile App on iOS and Android

Tuya Wi-Fi and Bluetooth Integrated (optional)

- ✓ **Remote Monitoring:** Check charging status via Wi-Fi.
- ✓ **Control Anywhere:** Start or stop charging from the mobile app.
- ✓ **Time-Based Automation:** take advantage of night off-peak tariffs.
- ✓ **Alerts:** Instant notifications for charging updates.

Advanced Safety Features

- ✓ **Type B Residual Current Protection Device (RCD)** for both AC (30 mA) and DC(6 mA) leakage.
- ✓ **Over-current Watchdog:** Automatically monitors and intervenes when current exceeds preset value by 20% or 2 A.
- ✓ **Voltage Vigilance:** Over-voltage (>270 V) and low-voltage (<80 V) alarm and protection.
- ✓ **Ground Fault Guardian:** Alarm and protection for unearthed wall socket.
- ✓ **Temperature Monitoring:** Overheat alarm and protection at 80°C for control box.
- ✓ **Diode Check:** A built-in check for CP diode integrity, ensuring secure charging process.
- ✓ **Sticky Relay Solution:** Monitors the relay for any sticking, preventing potential safety hazards.

High Reliability

- ✓ **Dependable Relay:** Features a high-quality relay designed for longevity and consistent performance.

User-friendly Interface

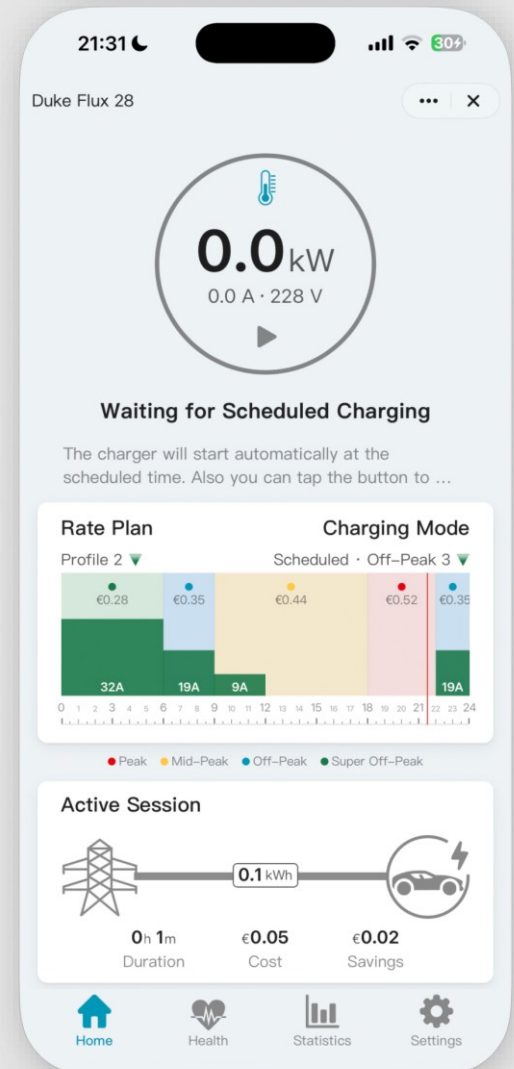
- ✓ **Informative LCD Screen:** Displays all the relevant charging info clearly, allowing for easy monitoring.
- ✓ **Flexible Settings:** Offers the convenience of adjusting current settings and scheduling charging sessions directly through the screen.

Self-Monitoring Capabilities

- ✓ **Pre-Charging Checks:** Conducts a thorough self-test for electrical leakage and relay sticking before each charging session to ensure safety.

Exceptional Weather Resistance

- ✓ The IP66-rated, robust housing made of Silicone-reinforced Polycarbonate performs reliably under extreme conditions, from freezing -30°C to scorching +45°C.



OMNI

Powered by 

Modular EU Travel Charger

7, 11, & 22 kW

✓ **CHANGE & CHARGE OMNI-CONNECT Adaptors**

Swap adapters in seconds. One charger, endless European grid compatibility. Change plug, charge Europe.

✓ **Smart Amp-Sync™** (Auto Current Detection)

Automatically identifies adapter type and adjusts current to comply with local regulations, thereby minimizing risks of overheating and fire.

✓ **Heavy-Duty Overmolded Plugs & Connectors**

Silver-plated **Beryllium copper** springs for **10K+** lifespan, TPE over-molding for max durability. Push-to-Lock and Press-and-Pull quick swap.

✓ **Wall Socket Overheat Protection**

Continuously monitors wall socket temperature to prevent overheating and reduce fire risk.

✓ **TOU Power Rates and Off-Peak Schedule**

✓ **Solar-Only Charging Mode**

✓ **Dynamic Load Balancing (DLB)**

Model No.	M2-7M	M2-11M	M2-22M
Power Output		11.04 kW	22.08 kW
	7.36 kW		11.04 kW
	3.68 kW	3.68 kW	7.36 kW
	1.4/1.8/2.3/3 kW	1.4/1.8/2.3/3 kW	1.4/1.8/2.3/3 kW
Rated Current (Smart Amp-Sync™)	up to 32 A	up to 16 A	up to 32 A
Rated Voltage	110-230 V AC, 1-Phase, 50 Hz	110-230 V AC, 3-Phase, 50 Hz	
Residual Current Protection Device (RCD) Protection	Type B AC 30 mA + DC 6 mA Protection		
Rated DC Residual Operating Current (I _{Δn})	30 mA		
Degree of Protection	IP66 (Control Box) IP65 (Multi-pin Plug) IP54 (EV Connector)		
Premium TPU Cable	6.0 mm ² *3C, Ø13.2 mm	2.5 mm ² *5C, Ø13.2 mm	6.0 mm ² *5C, Ø16.2 mm
Storage Condition	-40~85°C, 95% RH max		
Working Temperature	-25~45°C		
Operating Altitude	Up to 2000 m		


OMNI-Connect™




OMNI-CONNECT™ Smart Amp-Sync Adaptors

AS-16A3P

11 kW@16 A
3-phase

AS-32A1P

7 kW@32 A

AS-16A1P

3.5 kW@16 A

AS-SK13A

3.0 kW@13 A

AS-UK10A

2.3 kW@10 A

AS-IT10A

2.3 kW@10 A

AS-CH8A

1.8 kW@8 A

AS-DM6A

1.4 kW@6 A

Built-in Thermal
Sensor Monitoring

Built-in Thermal
Sensor Monitoring

Built-in Thermal
Sensor Monitoring

Built-in Thermal
Sensor Monitoring

Built-in Thermal
Sensor Monitoring



Power Adaptor	Charger Output		
	M2-7M	M2-11M	M2-22M
AS-32A3P CEE 32A Plug 3-Phase Adaptor Rated Current: 32 A	7.36 kW @32A	11 kW @16A	22 kW @32A
AS-16A3P CEE 16A Plug 3-Phase Adaptor Rated Current: 16 A	3.68 kW @16A	11 kW @16A	11 kW @16A
AS-32A1P CEE 32A Plug 1-Phase Adaptor Rated Current: 32 A	7.36 kW @32A	3.68 kW @16A	7.36 kW @32A
AS-16A1P CEE 16A Plug 1-Phase Adaptor Rated Current: 16 A	3.68 kW @16A		
AS-SK13A Schuko Plug Adaptor Rated Current: 13A	3.0 kW @13A (derated)		
AS-UK10A UK Plug Adaptor Rated Current: 13A	2.3 kW @10A (derated)		
AS-IT10A Italian Plug Adaptor Rated Current: 13A	2.3 kW @10A (derated)		
AS-CH8A Swiss T12 Plug Adaptor Rated Current: 10 A	1.8 kW @8A (derated)		
AS-DM6A Denmark Plug Adaptor Rated Current: 8 A	1.4 kW @6A (derated)		

FLEX

Powered by 

Modular EU Travel Charger

7, 11, & 22 kW

Smart Amp-Sync™

for Overcurrent and Overheat Protection

✓ **Smart Amp-Sync™ (Auto Current Setting)**

The control box automatically identifies adapter type and adjusts current to comply with local regulations, thereby minimizing risks of overheating and fire.

✓ **Heavy-Duty FLEX-LINK Connectors**

Over-molded **FLEX-LINK** connectors housing for durability and reliability in tough environments.

✓ **Travel-Ready FLEX-LINK Kit**

Comes with various **FLEX-LINK** adaptors for wide compatibility and Smart Amp-Sync protection.

✓ **Wall Socket Overheat Protection**

Continuously monitors wall socket temperature to prevent overheating and reduce fire risk.

Model No.	M2-7T	M2-11T	M2-22T
Power Output	7.36 kW 3.68 kW 1.4/1.8/2.3/3 kW	11.04 kW 3.68 kW 1.4/1.8/2.3/3 kW	22.08 kW 11.04 kW 7.36 kW 3.68 kW 1.4/1.8/2.3/3 kW
Rated Current (Smart Amp-Sync™)	up to 32 A	up to 16 A	up to 32 A
Rated Voltage	110-230 V AC, 1-Phase, 50 Hz	110-230 V AC, 3-Phase, 50 Hz	
Residual Current Protection Device (RCD) Protection	Type B AC 30 mA + DC 6 mA Protection		
Rated DC Residual Operating Current ($I_{\Delta n}$)	30 mA		
Degree of Protection	IP66 (Control Box) IP65 (Multi-pin Plug) IP54 (EV Connector)		
Premium TPU Cable	6.0 mm ² *3C, Ø13.2 mm	2.5 mm ² *5C, Ø13.2 mm	6.0 mm ² *5C, Ø16.2 mm
Storage Condition	-40~85°C, 95% RH max		
Working Temperature	-25~45°C		
Operating Altitude	Up to 2000 m		

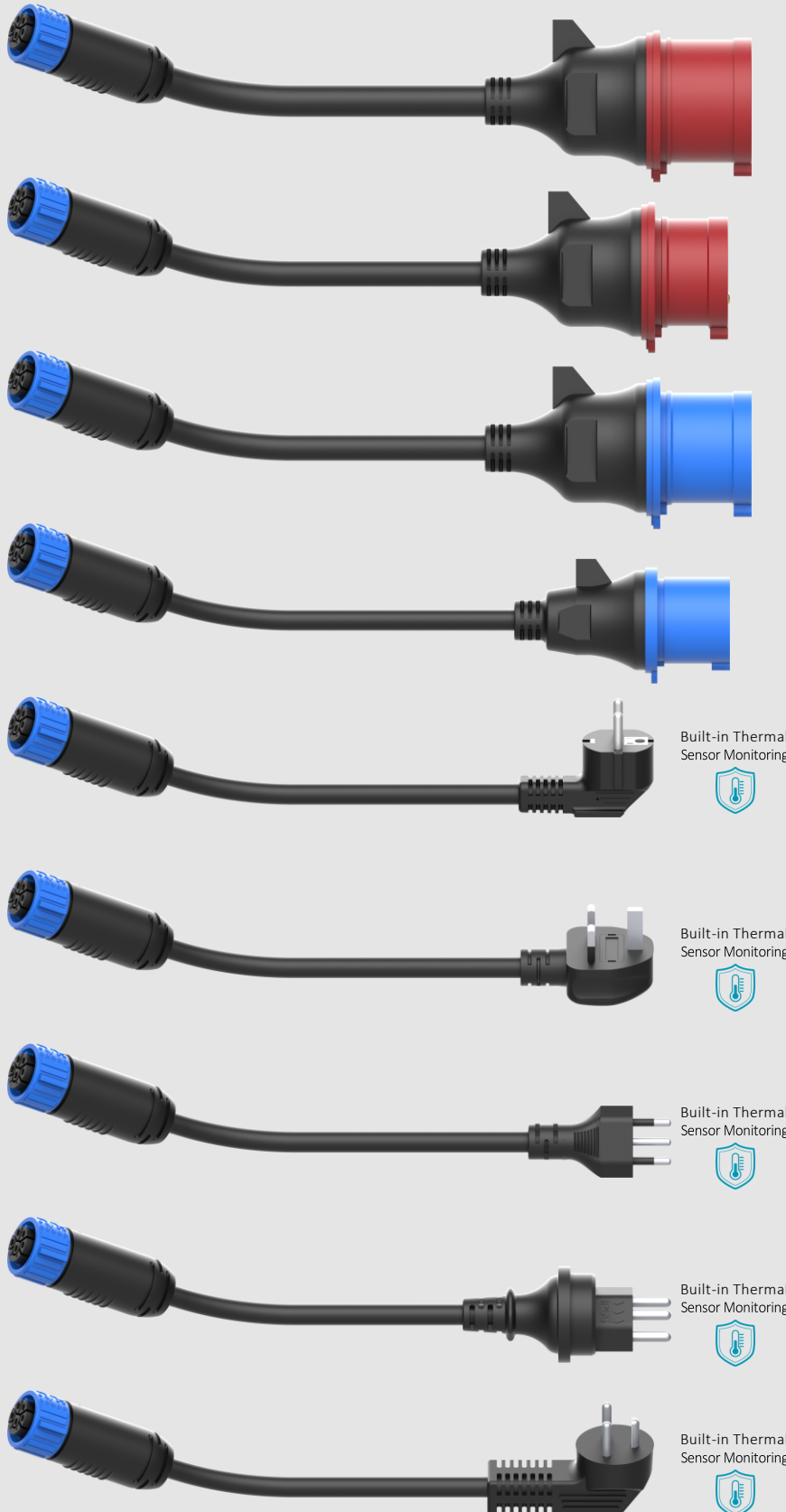
CE

FLEX-LINK
Connector



FLEX-LINK™

Smart Amp-Sync™ EU Adaptors



AS1-32A3P

CEE 32A Plug 3-Phase Adaptor, 0.2 M

- ⦿ Rated Current: **32 A**
- ⦿ Power Output: 7.36 | 11 | 22 kW

AS1-16A3P

CEE 16A Plug 3-Phase Adaptor, 0.2 M

- ⦿ Safe Charging Current: **16 A**
- ⦿ Power Output: 3.68 | 11 | 11 kW

AS1-32A1P

CEE 32A Plug 1-Phase Adaptor, 0.2 M

- ⦿ Rated Current: **32 A**
- ⦿ Power Output: 7.36 | 3.68 | 7.36 kW

AS1-16A1P

CEE 16A Plug 1-Phase Adaptor, 0.2 M

- ⦿ Safe Charging Current: **16 A**
- ⦿ Power Output: 3.68 kW

AS1-SK13A

Schuko Plug Adaptor, 0.2 M

- ⦿ Safe Charging Current: **13 A** (derated)
- ⦿ Power Output: 3.0 kW

AS1-UK10A

UK Plug Adaptor, 0.2 M

- ⦿ Safe Charging Current: **10 A** (derated)
- ⦿ Power Output: 2.3 kW

AS1-IT10A

Italian Plug Adaptor, 0.2 M

- ⦿ Safe Charging Current: **10 A** (derated)
- ⦿ Power Output: 2.3 kW

AS1-CH8A

Swiss T12 Plug Adaptor, 0.2 M

- ⦿ Safe Charging Current: **8 A** (derated)
- ⦿ Power Output: 1.8 kW

AS1-DM6A

Denmark Plug Adaptor, 0.2 M

- ⦿ Safe Charging Current: **6 A** (derated)
- ⦿ Power Output: 1.4 kW

7, 11, & 22 kW

Powered by **tuya**

MODE 3 ALERT-POP™ WALL BOX WITH INTEGRATED CHARGING CABLE



Model No.	M3A1-7W	M3A1-7P	M3A1-11W	M3A1-11P	M3A1-22W	M3A1-22P
Communication Protocol	Tuya Wi-Fi	OCPP 1.6J	Tuya Wi-Fi	OCPP 1.6J	Tuya Wi-Fi	OCPP 1.6J
Connection Type	Integrated Charging Cable					
Power Output	7 kW		11 kW		22 kW	
Rated Current	32 A		16 A		32 A	
Rated Voltage	110-230 V (L-N) AC, 1-phase, 50/60 Hz		110-230 V (L-N) AC, 3-Phase, 50/60 Hz			
Residual Current Protection Device (RCD) Protection	Type B, AC 30 mA + DC 6 mA Protection					
Rated DC Residual Operating Current (I _{Δn})	30 mA					
Networking	Wi-Fi/Bluetooth, DLB Wireless					
Degree of Protection	IP65					
Impact Protection	IK08					
Premium TPU Cable	6.0 mm ² *3C, Ø13.2 mm		2.5 mm ² *5C, Ø13.2 mm		6.0 mm ² *5C, Ø16.2 mm	
Working Temperature	-25~45°C					
Dimensions (W×H×T)	254×198×80 mm					



Key Features

Powered by 

Tuya Wi-Fi and Bluetooth Module Integrated

- ✓ **Remote Monitoring:** Check charging status via Wi-Fi.
- ✓ **Control Anywhere:** Start or stop charging, change charging current or schedule on the app.
- ✓ **Time-Based Automation:** take advantage of night off-peak tariffs.
- ✓ **Alerts:** Instant notifications for charging updates.

NFC Card Authentication

- ✓ Simply tap your NFC (Near-Field Communication) card to unlock the charger.
- ✓ Enable or disable the NFC function anytime in Settings.

All Alert-Pop™ Security Features Included

- ✓ **Type B Residual Current Protection Device (RCD)** for both AC(30 mA) and DC(6 mA) leakage.
- ✓ **Over-current Watchdog:** Automatically monitors and intervenes when current exceeds preset Amp by 20% or 2A.
- ✓ **Voltage Vigilance:** Over-voltage (>270 V) and low-voltage (<80 V) alarm and protection.
- ✓ **Temperature Monitoring:** Overheat alarm and protection at 80°C for wall box.
- ✓ **Sticky Relay Solution:** Monitors the relay for any sticking, preventing potential safety hazards.
- ✓ **Emergency Stop Button:** cut off the power quickly in case of emergency.

Exceptional Weather Resistance

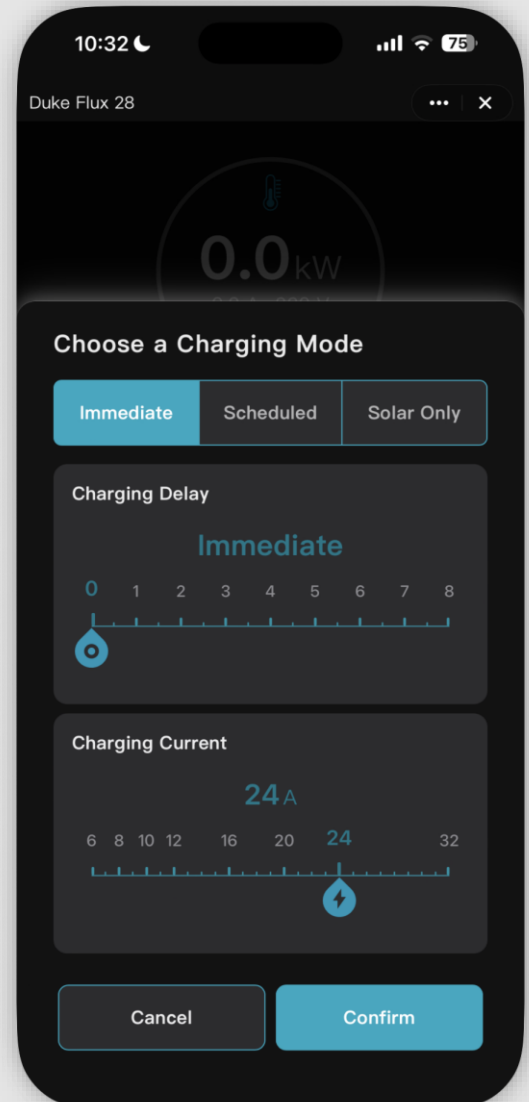
- ✓ The IP66-rated, robust housing made of Silicone-reinforced Polycarbonate performs reliably under extreme conditions, from freezing -40°C to scorching 50°C.

Dynamic Load Balancing (DLB)

- ✓ The DLB system continuously monitors your home's total power consumption and intelligently allocates the optimal charging current to your Wall Box in real time.
- ✓ This ensures that your home's total power usage never exceeds the rated capacity of your main electrical panel, preventing overloads, overheating, and potential fire hazards.
- ✓ For a visual guide, please refer to the illustration on page 25.

OCPP Communication Protocol

- ✓ Fully compliant with OCPP 1.6 JSON, ensuring seamless compatibility with any OCPP-based management system worldwide.



7, 11, & 22 kW

Powered by **tuya**

MODE 3 ALERT-POP™ WALL BOX

WITH POWER SOCKET



Model No.	M3A2-7W	M3A2-7P	M3A2-11W	M3A2-11P	M3A2-22W	M3A2-22P
Communication Protocol	Tuya Wi-Fi	OCPP 1.6J	Tuya Wi-Fi	OCPP 1.6J	Tuya Wi-Fi	OCPP 1.6J
Connection Type	Socket compatible with charging cable on page 7					
Power Output	7 kW		11 kW		22 kW	
Rated Current	32 A		16 A		32 A	
Rated Voltage	110-230 V (L-N) AC, 1-phase, 50/60 Hz		110-230 V (L-N) AC, 3-Phase, 50/60 Hz			
Residual Current Protection Device (RCD) Protection	Type B, AC 30 mA + DC 6 mA Protection					
Rated DC Residual Operating Current (I _{Δn})	30 mA					
Networking	Wi-Fi/Bluetooth, DLB Wireless					
Degree of Protection	IP54					
Impact Protection	IK08					
Working Temperature	-25~45°C					
Dimensions (W×H×T)	254×198×80 mm					



DYNAMIC LOAD BALANCING (DLB)

433 MHz Wireless DLB Monitor

Model No. DLB-A1



Smart Meter

Model No. SDM01-12TS

★ Recommended

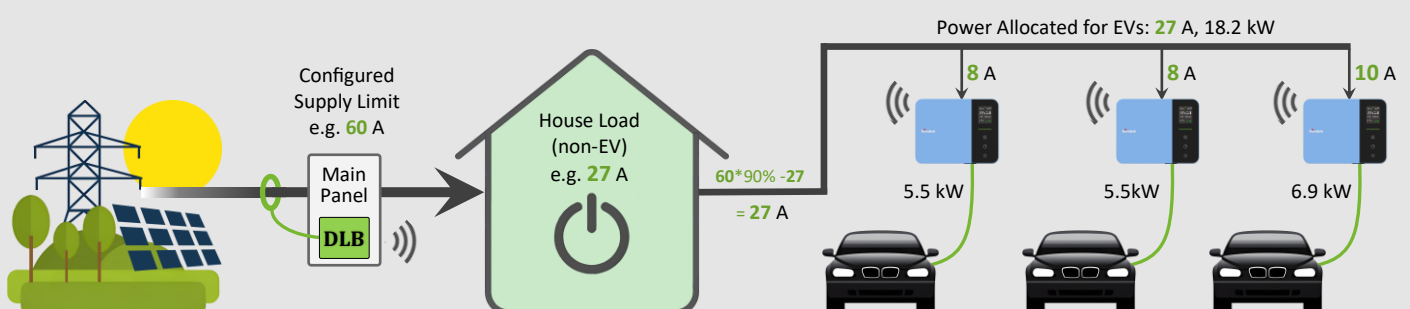


Standalone Load Balancing

- ✓ Measures current at the home's grid connection.
- ✓ Communicates directly with the charger via 433 MHz wireless.
- ✓ Automatically adjusts charging current to prevent overload.
- ✓ Operates independently and cannot be managed through the Sinotek MiniApp 2.0.

Integrated Smart Energy Management

- ✓ Provides stable, reliable real-time current measurement.
- ✓ Integrates with the EV charger and our MiniApp 2.0.
- ✓ Enables app-based monitoring and control.
- ✓ Supports both **Dynamic Load Balancing (DLB)** and **Solar Only** charging.



OMNI

Modular US Travel Charger

7.7 kW



✓ OMNI-CONNECT™ System — CHANGE & CHARGE

One charger, endless socket compatibility. Swap adapters in seconds with our premium **Push-to-Lock** and **Press-and-Pull** quick-release mechanism. Change the plug, charge everywhere—zero tools required.

✓ Heavy-Duty Mechanical Design

Engineered with premium **beryllium copper springs** featuring **5µm silver plating** to minimize contact resistance and help prevent overheating. Rated for more than **10,000 mating cycles**, ensuring long-term durability and reliable electrical performance through years of daily use.

✓ Smart Amp-Sync™ (Auto Current Detection)

Automatically identifies adapter type, auto-adjusts current, and limits to **80% of the outlet's rated capacity** to reduce risk of over-heating and fire.

✓ Smart Overheat Protection

Built-in thermal sensors continuously monitors temperature of both power plug and EV connector, stops charging when overheated, and automatically resumes at a derated current once cooled down.

✓ TOU Power Rates and Off-Peak Schedule

Smart scheduling. Lower electric bills. Never pay full price for power again.

✓ Solar-Only Charging Mode

100% Green energy, \$0 fuel cost.

✓ Dynamic Load Balancing (DLB)

Maximum power. Zero blown breakers.

Model No.	OMNI-1772	OMNI-3400
EV Connector	SAE J1772 Type 1	SAE J3400 NACS
AC Input Voltage	120/208/240 V AC, 60 Hz, Single Phase	
Rated Current	12 – 32 A Smart Amp-Sync™	
Power Output	1.4/2.9/3.8/5.8/6.7/7.7 kW	
Personnel Protection	20 mA CCID built-in with auto retry	
Control Box Enclosure Type	NEMA Type 4	
Premium TPE Cable	10AWG*3C + 22AWG*4C Ø12.0 mm, Length: 25 ft	
Working Temperature	-22°F to 122°F (-30°C to 50°C)	
Operating Altitude	Up to 2000 m (6,600 ft)	





OMNI-Connect™

SAE J3400
NACS Connector





7.7 kW

Powered by 

Level 2 Mobile AC Charger



SAE J1772
Type 1 Connector



Fixed NEMA 14-50
with a Built-in
Thermal Sensor



14-50 to 5-15
Adaptor

✓ Alert-Pop Control Box

- Leakage Protection
- Wall Socket Overheat Protection
- Control Box Overheat Protection
- Unearthed Socket Protection
- Over-Current Protections
- Low/Over-Voltage Protections
- Self-Diagnostic Check
- Sticky Relay Protection

✓ Smart Voltage Detection & Adaptive Charging

Automatically adjusts charging current based on input voltage. When using a 120 V household outlet via an adaptor, the charging current is automatically limited to 12 A—80% of the outlet's rated capacity—to reduce the risk of over-heating and potential fire hazards.

✓ TOU Power Rates and Off-Peak Schedule

✓ Solar-Only Charging Mode

✓ Dynamic Load Balancing (DLB)

Model No.	GO-1772	GO-3400
EV Connector	SAE J1772 Type 1	SAE J3400 NACS
AC Input Voltage	120/208/240 V AC, 60 Hz, Single Phase	
Rated Current	12/32 A Smart Amp-Sync™	
Power Output	1.4/6.7/7.7 kW	
Personnel Protection	20 mA CCID built-in with auto retry	
Control Box Enclosure Type	NEMA Type 4	
Premium TPE Cable	10AWG*3C + 22AWG*4C Ø12.0 mm, Length: 25 ft	
Working Temperature	-22°F to 122°F (-30°C to 50°C)	
Operating Altitude	Up to 2000 m (6,600 ft)	



SMART ENERGY MANAGEMENT

Powered by **tuya**



Go beyond simple charging.

Optimize every kilowatt with our proprietary TariffWise™ Engine.

Plug in. Sleep. Save

- ✓ **Auto Night Charging:**
Just plug in when you get home. The charger stays on standby and starts charging automatically when the low-rate night hours begin.
- ✓ **Smart Charging, No Extra Work:**
No need to set a timer every day. Your EV charges at the best time, so you wake up to a full battery and a lower electricity bill.

TariffWise™ Engine — Charge Wise, Save Twice!

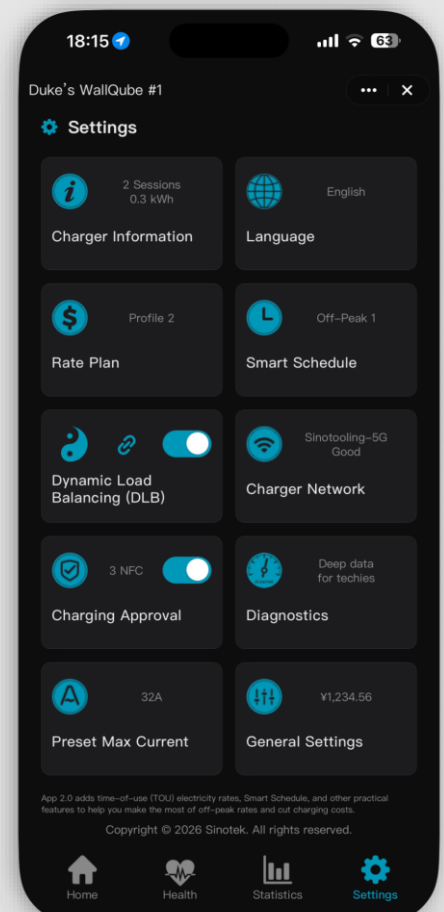
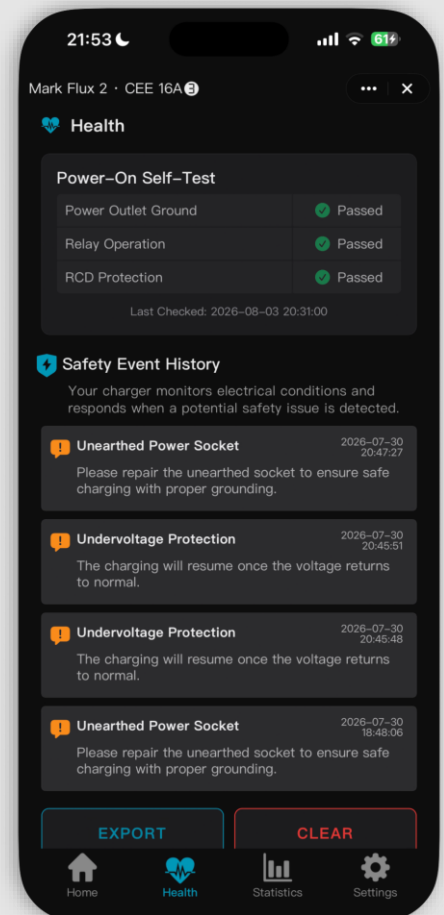
- ✓ **Easy Time-of-Use (TOU) Setup**
Quickly set your local electricity rate periods, including peak, off-peak, and super off-peak hours.
- ✓ **Charge Only When It's Cheap**
Set your charger to run only during low-rate hours. It helps avoid expensive peak times automatically, spend less on EV charging every month.
- ✓ **Weekday & Weekend Plans**
Create separate charging schedules for weekdays and weekends, so your charger fits different rate plans with ease.

Transparent Energy Analytics

- ✓ **Clear Charging Records**
Track every charging session with simple, easy-to-read data, including charging time, energy used, and the cost of each session.
- ✓ **See How Much You Save**
Get monthly reports that show how much you spent by charging during low-rate hours — and how much more you would have paid during peak hours.
- ✓ **Understand Your Charging Habits**
View clear charts of your energy use, charging costs, and total savings over time, from months to years.

Auto Rate Sync & Solar Integration

- ✓ **Auto Rate Sync — Coming Soon**
No need to update rate plans by hand. The charger can automatically sync with your utility provider through a secure cloud connection and adjust your charging schedule when electricity rates change.
- ✓ **Solar-First Charging**
Use more of your own solar power to charge your EV. The charger can track your home solar output and give priority to clean, self-generated energy.
- ✓ **Ready for Future**
Stay prepared for future energy changes with smarter grid connection, automatic updates, and cleaner charging at home.





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Sinotek MiniApp 2.0

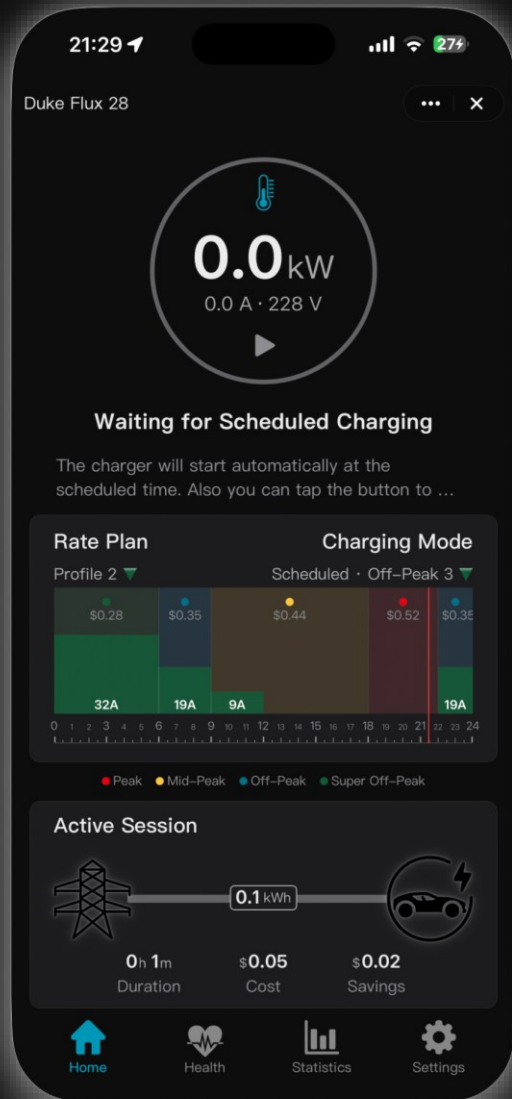
Charge Smarter, Pay Less.

Smart Charging, Made Simple

Live data, charging modes and session progress come together in one intuitive Home screen.

At a Glance, in Control

See power, current, voltage, charger status, active rate periods, session energy, duration, estimated cost and savings—all in one view.



Your Time, Your Current

Charge now, delay for up to 8 hours, follow a saved schedule, or prioritize surplus solar energy with Solar Only. Select the current you need, always within the charger's safe limit.

Protection You Can See

Three-point thermal monitoring checks the power plug, control box and EV Connector in real time. The charger automatically reduces current or pauses charging if temperatures rise too high.

Control Who Can Start a Charge

When Charging Approval is enabled, a connected vehicle can begin charging only after the charger owner approves the request in the app—helping prevent unauthorized use.

Charge Smarter, Pay Less.

Smart Than a Schedule

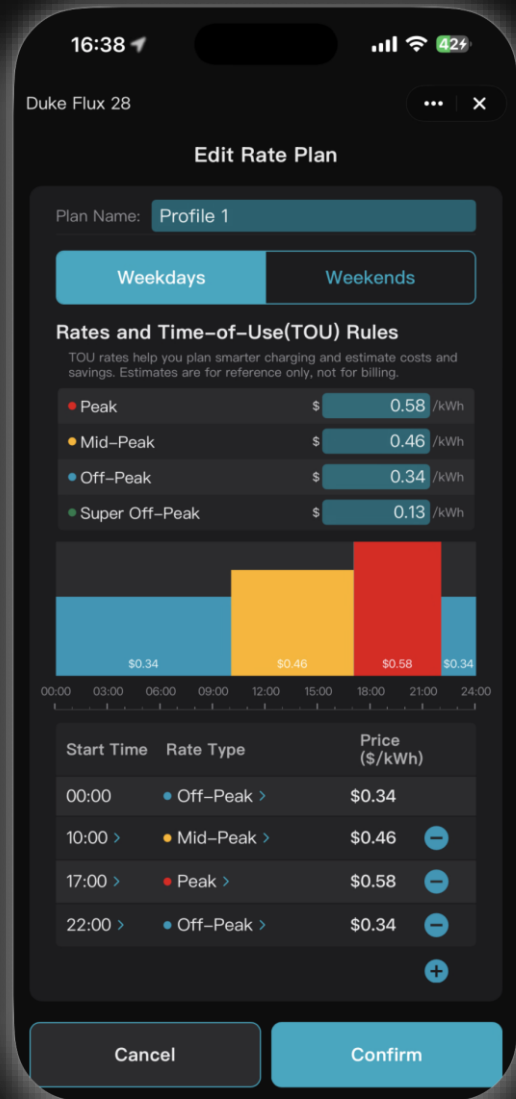
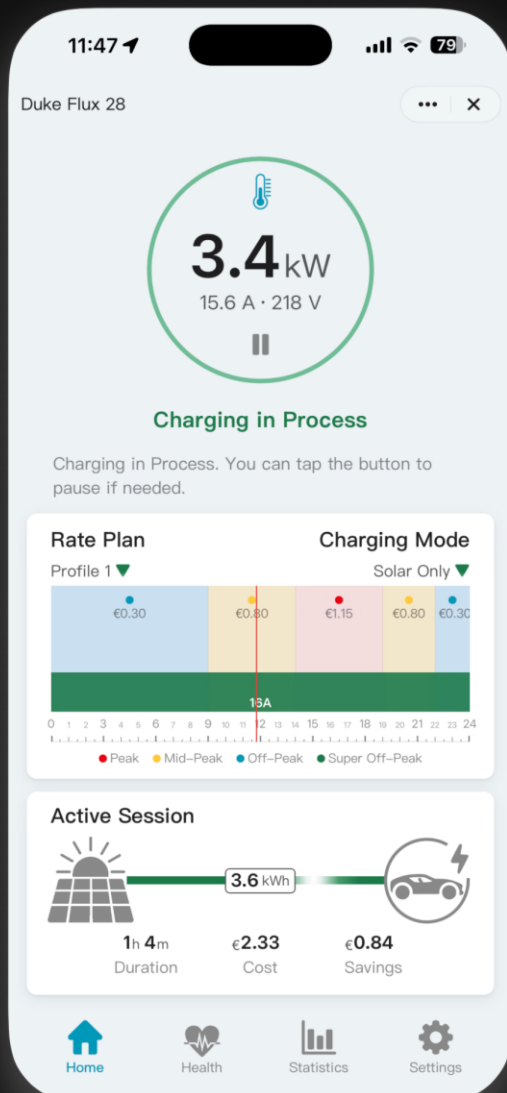
The MiniApp connects electricity rates, household capacity and solar generation—so every charge can be timed, balanced and optimized.

From Rate Plan to Smart Schedule

Map weekday and weekend Time-of-Use rates on a clear, color-coded timeline. Then set when charging turns on or off and select the current for each active window.

Dynamic Rate

Respond to changing electricity prices and automatically favor lower-cost charging periods—without checking rates or adjusting schedules every day.



Dynamic Load Balancing (DLB)

Charging current adapts to available household capacity in real time, helping prevent overload while making better use of every available amp.

Solar Only Charging

Prioritize surplus solar energy for EV charging to increase self-consumption and reduce reliance on the grid.

Help You Save Money

Monthly and yearly statistics reveal charging sessions, energy use, estimated cost and savings—turning smart charging into visible value.

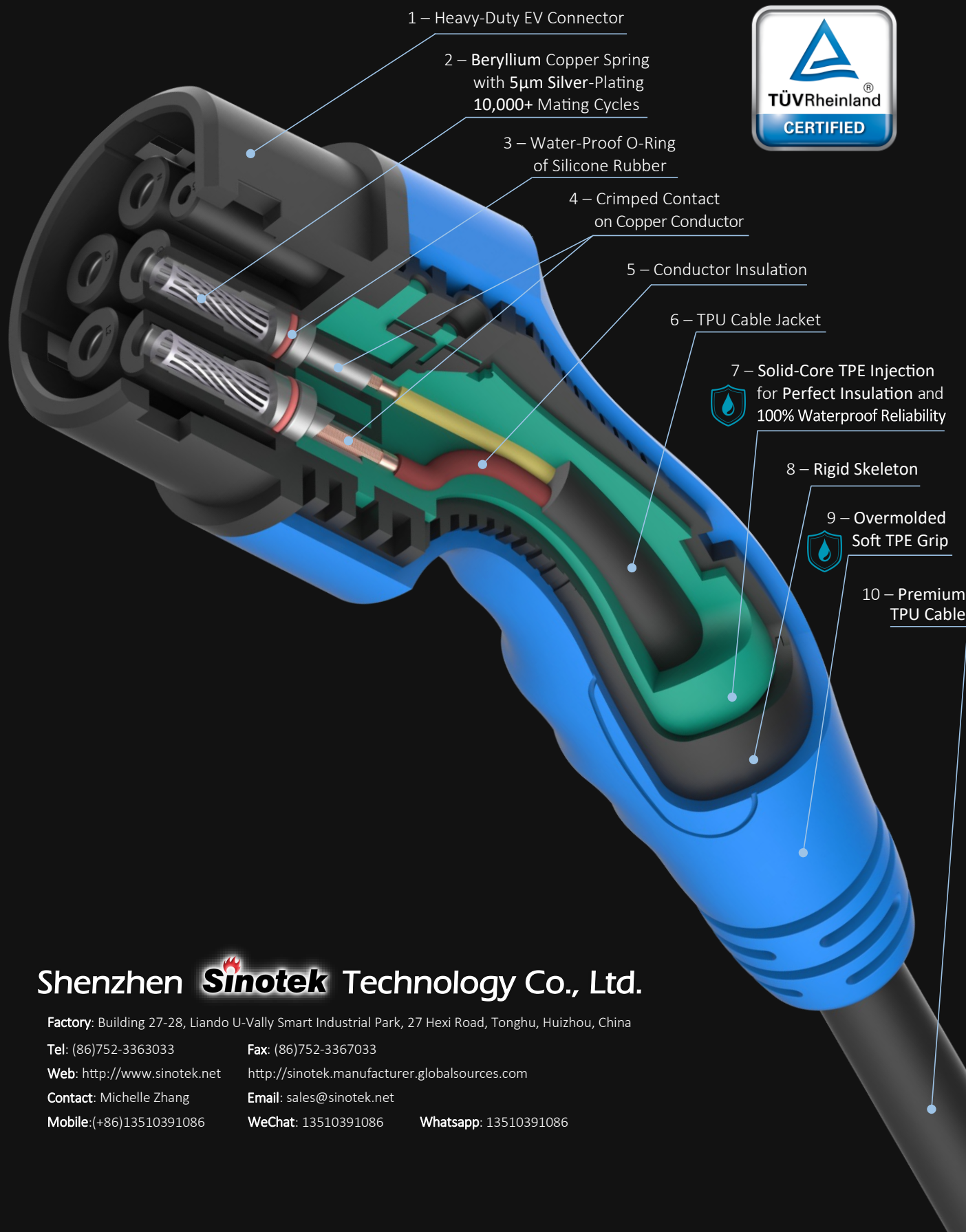
Cost and savings are estimates based on available rate data and are not intended for utility billing.

Solar Only and Dynamic Load Balancing (DLB) require specified Smart Meter shown in page 25.

Availability may vary by market and product configuration.



Fully Overmolded Solid-Core EV Connector Engineered for Extreme Reliability



Shenzhen **Sinotek** Technology Co., Ltd.

Factory: Building 27-28, Liando U-Vally Smart Industrial Park, 27 Hexi Road, Tonghu, Huizhou, China

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