

## Home charging station hardware and software solutions



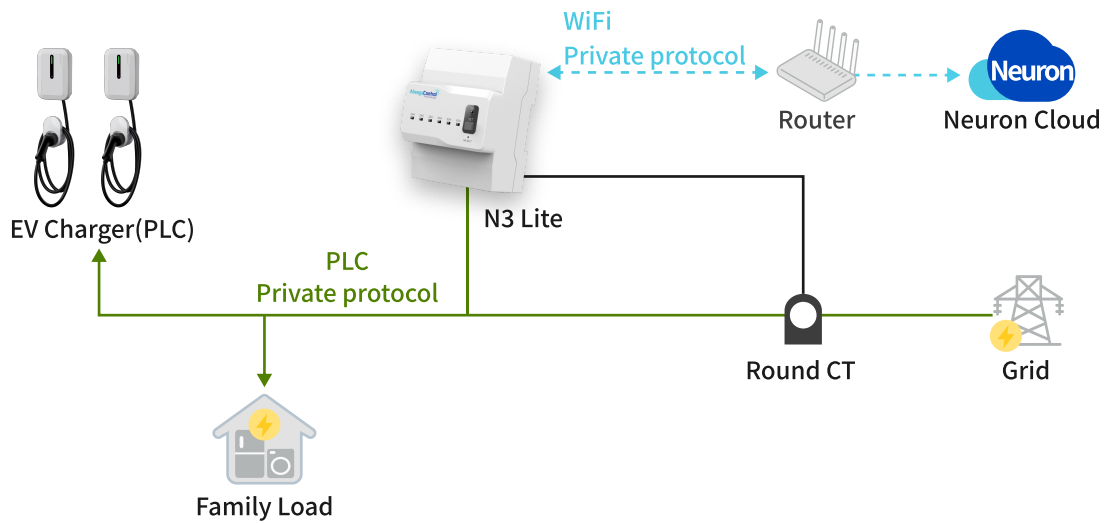
# ATP III × Neuron III Lite

Charge Smarter, Live Better

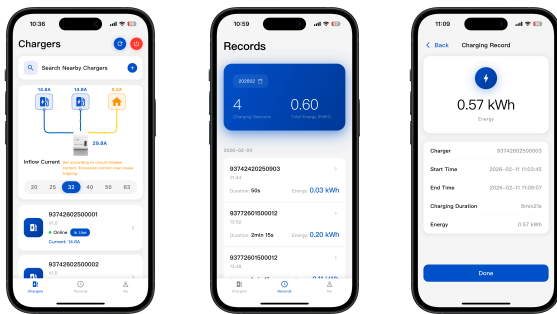
Seamless Home Charging

Empower Your Home

## Architecture

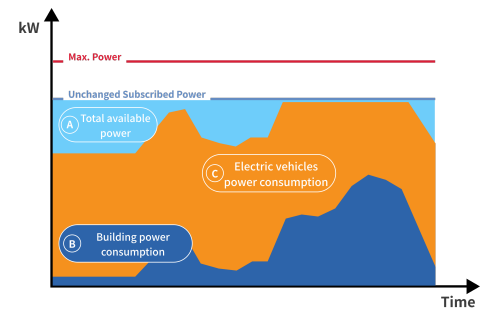
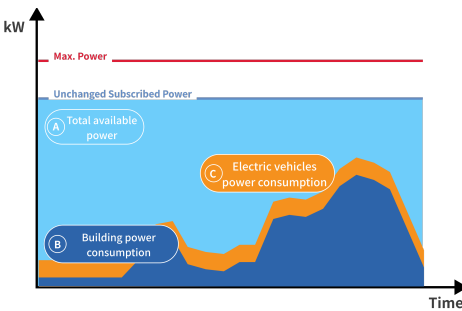
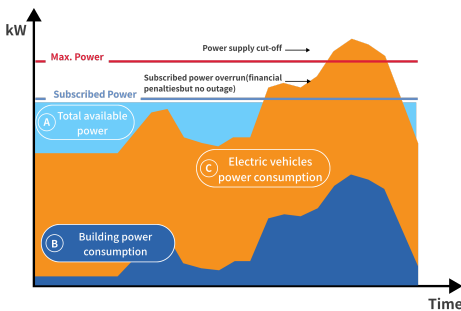


## Function



- ✓ Real-time Monitoring
- ✓ EV Charger Management
- ✓ Charging History & Energy Tracking
- ✓ Supports DLM (dynamic load management) to achieve "anti-tripping" function
- ✓ Remote OTA Firmware Updates

## Dynamic Load Management



### Home load interruption

During charging, excessive power load can easily cause the circuit breaker to trip, which may affect the normal use of other electrical appliances in the home.

### Slow charging speed

For safety reasons, the charging power is limited to some extent, which results in a relatively slow charging process.

### Anti-tripping Fast charging

Using ATP III + Neuron III Lite can solve your problems of tripping circuit breakers and slow charging.

## Neuron III Lite Product Specifications



Product Model	Neuron III-Lite
<b>Configuration</b>	
MCU	Xtensa dual-core 32-bit LX6 microprocessor
Bluetooth, WiFi	2.4 GHz WiFi, Bluetooth V4.2 BR/EDR and Bluetooth LE standards
PLC	Supports P1901.1 and OFDM/FSK modulation.
Power monitoring	Supports voltage, current, and power monitoring.
Button	Current setting button *1, RESET button *1
LED	6 monochrome LEDs (green), 1 RGB LED
<b>Interface</b>	
Power interface	Single-phase alternating current
CT ring interface	1-way CT ring input interface
<b>Power supply</b>	
Rated voltage	230V
Input frequency	50Hz
Overall power consumption	≤20W
Installation method	Rail mounting
<b>Environmental requir</b>	
Relative humidity	25%~85%, No condensation
Operating temperature	-25°C~55°C
Storage humidity	≤85%
<b>Dimension</b>	
Size	72 x 100 x 68 mm ( 2.834 x 3.937 x 2.677 in )

## ATP III Product Specifications



Model	ATPIII 6507W	ATPIII 6511W	ATPIII 6521W
Charging Type	Charging Mode 3 Case B & Case C		
Outlet Options	AC Type 2 (IEC 62196-2)		
Input/ Output Current rating	32A, single phase	16A, three phase	32A, three phase
Input/ Output Power rating	Up to 7.7 kW	Up to 11.5 kW	Up to 23 kW
Input/ Output voltage	220-240VAC	380-415VAC	380-415VAC
Input Frequency	50 Hz or 60 Hz		
Number of EV Served	Up to 1		
Cable Length	5.0 m, Optional: 7.5m		
Distribution Systems	TN		
Connector Type	1P+N+PE	3P+N+PE	3P+N+PE
Protection	Overcurrent, overvoltage, undervoltage, ground fault, Residual current protection (Type A+DC6mA), Over-temperature protection		
Overvoltage Category	Type II		
Energy Metering	NO		
Cellular Communication	NO		

## ATP III Product Specifications



Model	ATP III
<b>User in interface</b>	
Connectivity	WIFI/Bluetooth
User Authentication	Plug & Play /APP
Status Indication	Colored status indicator
RFID Reader	Optional
Emergency Button	NO
<b>Configuration</b>	
Software Upgrade	Over-the-air (OTA)
Language System	English, Chinese
<b>General characteristics</b>	
Protection Rating	IP65 and IK10 (Enclosure)
Housing Material	Plastic PC
Operational Altitude	Up to 2000 m
Operating Temperature	-35 °C to +50 °C
Storage Temperature	-40 °C to +80 °C
Humidity	< 95%, non-condensing
Mounting	Wall-mount or pedestal stand
Dimensions (D x W x H)	73×190×269
Net Weight (kgs)	2.9
<b>Compliance Standards</b>	
Codes and Standards	IEC 61851-21-2, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12, IEC 61008-1, IEC 61008-2-1, EN 62423, IEC 62196-1, IEC 62196-2
Safety Standards	IEC 61851-1, IEC 61851-21-2, IEC 62196-1, IEC 62196-2

## Package

### Set A: **One** Neuron III Lite and **One** ATP III



No.	Product Name	Quantity
1	Neuron III Lite Terminal Controller	1
2	Quick Start Guide	1
3	Warranty Card	1
4	3Pin AC Power Input Terminal	1
5	Split Core CT Loop (Standard 100A, Cable Length 100cm)	1
6	ATP III Series(Please refer to the Spec Sheet)	1
7	5m Charging Cable	1
8	Cable Organizer	1

### Set B: **One** Neuron III Lite and **Two** ATP III's

No.	Product Name	Quantity
1	Neuron III Lite Terminal Controller	1
2	Quick Start Guide	1
3	Warranty Card	1
4	3Pin AC Power Input Terminal	1
5	Split Core CT Loop (Standard 100A, Cable Length 100cm)	1
6	ATP III Series(Please refer to the Spec Sheet)	2
7	5m Charging Cable	2
8	Cable Organizer	2



## Bundle advantage comparison

What it does	How it works
Prevents tripping	CT clamp monitors total household load in real-time
Smart, not brutal	Dynamically adjusts charging speed - no hard cut-off like traditional solutions
Load shedding safe	Protects against recovery surges
No extra wiring	PLC power line communication - your electrician saves
Fast install	DIN-rail mount

Business specs	Details
Charger options	7kW / 11kW / 21kW AC, Type 2, IP65, IK10
Certification	CE
MOQ	960 units
Track record	Running in Malaysia
OEM / Private-label	Your brand, your packaging
Developed with	Voltronic Power (global top-tier ODM/OEM)



## Contact Us

👤 Mr. Rory Chen

Sales Manager(domestic)

Phone:+86 18576677649

Email: chenrui@alwayscontrol.com.cn

👤 Ziao Zeng

Technical support

Phone: +86 18071976385

E-mail: zengziao@alwayscontrol.com.cn

👤 Julie Chen

Sales Manager (Overseas)

Phone: +86 18824247731

E-mail: julie@alwayscontrol.com.cn

👤 Leon Che

Technical support

Phone: +86 13686549921

E-mail: chenguanglv@alwayscontrol.com.cn

Always-control Technology Co., Ltd. [www.alwayscontrol.com.cn](http://www.alwayscontrol.com.cn) [xuheng@alwayscontrol.com.cn](mailto:xuheng@alwayscontrol.com.cn)

📍 4th Floor, Building 7#, Taihua Wutong Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen