

Home charging station hardware and software solutions



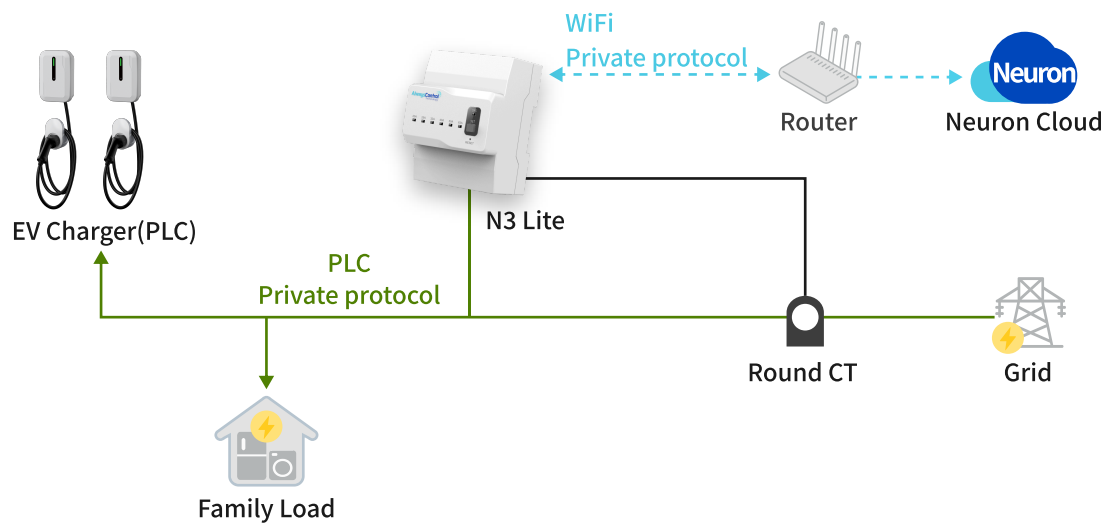
ATP III × Neuron III Lite

Charge Smarter, Live Better

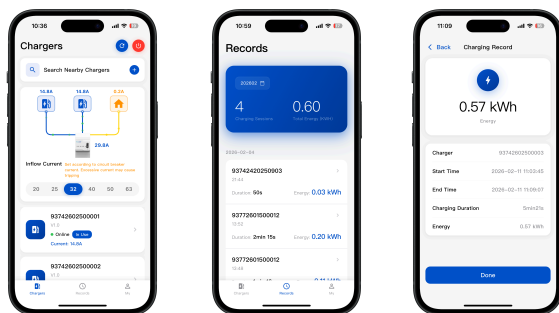
Seamless Home Charging

Empower Your Home

Architecture

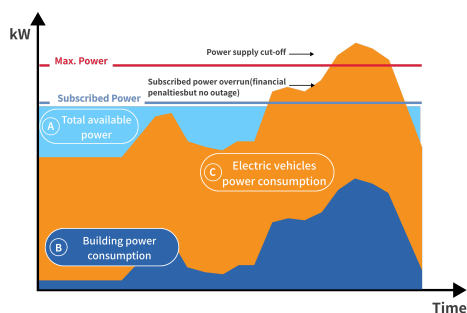


Function



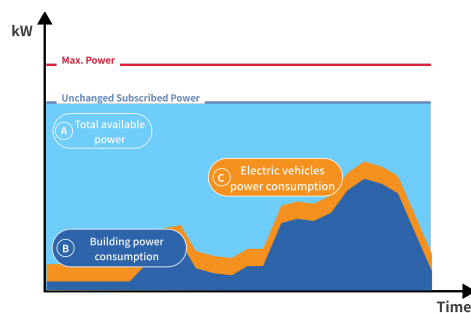
- ✓ Real-time Monitoring
- ✓ EV Charger Management
- ✓ Charging History & Energy Tracking
- ✓ Supports DLM (dynamic load management) to achieve "anti-tripping" function
- ✓ Remote OTA Firmware Updates

Dynamic Load Management



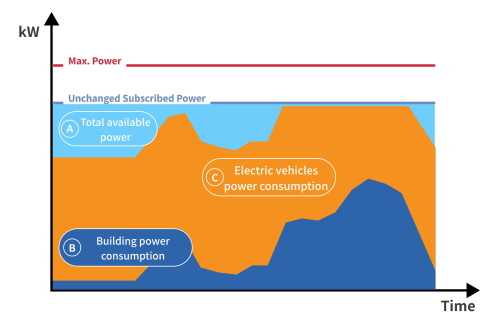
Home load interruption

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
Configuration	
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
Interface	
Power interface	Single-phase alternating current
CT ring interface	1-way CT ring input interface
Power supply	
Rated voltage	230V
Input frequency	50Hz
Overall power consumption	≤20W
Installation method	Rail mounting
Environmental requir	
Relative humidity	25%~85%, No condensation
Operating temperature	-25°C~55°C
Storage humidity	≤85%
Dimension	
Size	72 x 100 x 70 mm(2.834 x 3.937 x 2.756 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 + DC 6mA), Over-temperature protection		
Overvoltage Category	Type II		
Energy Metering	NO		
Cellular Communication	NO		

ATP III Product Specifications



Model	ATP III
User in interface	
Connectivity	Standard: PLC; Optional: Wi-Fi/Bluetooth/USB/Flash/RTC/DIP switch
User Authentication	Plug & Play /APP
Status Indication	Colored status indicator
RFID Reader	NO
Emergency Button	NO
Configuration	
Software Upgrade	Over-the-air (OTA)
Language System	English, Chinese
General characteristics	
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
Compliance Standards	
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)

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