

# Residential FusionCharge AC



Single Phase

**7.4** kW/32 A

AP07N-EU

Three Phase

**22** kW/32 A

AP22N-EU



## PV Power Preferred <sup>1</sup>

Power Your Car Completely with Solar  
Make EV Even Greener



## Automatic Phase Switch <sup>2</sup>

Automatic Switch between 1 Phase and 3 Phase  
More Usable Green Power



## All on a Single App

Full Control Through One App  
Cable E-Lock for Anti-theft



## Dynamic Charging Power

Automatic Detection and Adjustment  
No Worry about Overload



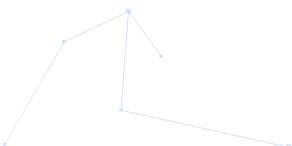
## 3-Step Installation

Fast Installation in 16 Minutes  
Wiring-free Maintenance



## Auto-Authentication

Bluetooth Auto-authentication Before Charging



FusionCharge AC  
**Technical Specifications**

Technical Specification	AP07N-EU	AP022N-EU
<b>Inputs and Outputs</b>		
Charge power (configurable)	1.4 kW to 7.4 kW	1.4 kW <sup>4</sup> to 22 kW
Nominal voltage	230 V (1-phase) ± 20%	400 V (3-phase) ± 20%
Nominal current (configurable)	6–32 A (1-phase)	6–32 A (3-phase or 1-phase)
Nominal frequency	50 Hz/60 Hz ± 1 Hz	
Vehicle connection	Type 2 socket	
Cable width	Up to 10 mm <sup>2</sup>	
Network types	TN, TT, IT	TN, TT
<b>User Interface &amp; Communications</b>		
Protocol	Modbus TCP	
Communication	Wi-Fi/Ethernet	
Charger status information	WRGB LED, App	
Authentication	RFID (ISO-14443-A), Bluetooth, App	
Remote control & monitoring	App	
Working mode	Normal Charge Scheduled Charge PV Power Preferred	
<b>Protection</b>		
Cable protection	Cable E-Lock via App	
Residual current protection (RCD)	Type A + DC 6 mA integrated (IEC 62955 & IEC 61008-1)	
Fire Class	UL94	
Overcurrent protection	IEC 61851-1	
Over-temperature protection	Yes	
Surge protection	CAT II	
<b>General Specifications</b>		
Operating temperature range	-35°C to +45°C	-35°C to +40°C
Application environment	Outdoor/Indoor	
Storage temperature	-40°C to +70°C	
Relative humidity	5% RH–95% RH	
Altitude	≤ 2000 m	
Dimensions (H x W x D)	335 mm x 180 mm x 145 mm	
Weight	3 kg	3.1 kg
Installation mode	Wall-mounted	
IP rating	IP54	
Impact protection level	IK10	
Standby self-consumption	< 6 W	
<b>Standards Compliance (More Available Upon Request)</b>		
Standard	EN 61851-1 2019, IEC 62955:2018, IEC 61008-1 2010, IEC/EN 62196-1	
<b>Others</b>		
Accessories	RFID Card * 2	



\*1 After 1 year free trial, it need to be activated by paid on APP.  
 \*2 Available in Green Power Preferred Mode  
 \*3 Available after Q4, 2022  
 \*4 1.4 kW for 1-Phase Models and 4.2 kW for 3-Phase Models



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