

Residential FusionCharge AC



Single Phase

7.4

 kW/32 A

AP07N-EU

Three Phase

22

 kW/32 A

AP22N-EU



PV Power Preferred ¹

Power Your Car Completely with Solar
Make EV Even Greener



Automatic Phase Switch ²

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



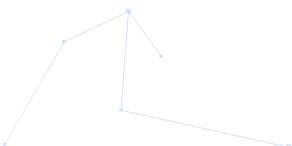
3-Step Installation

Fast Installation in 16 Minutes
Wiring-free Maintenance



Auto-Authentication ³

Bluetooth Auto-authentication Before Charging



FusionCharge AC
Technical Specifications

Technical Specification	AP07N-EU	AP022N-EU
Inputs and Outputs		
Charge power (configurable)	1.4 kW to 7.4 kW	1.4 kW ⁴ 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 ²	
Network types	TN, TT, IT	TN, TT
User Interface & Communications		
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	
Protection		
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	
General Specifications		
Operating temperature range	-35°C to +45°C ⁵	
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	2.8 kg	2.9 kg
Installation mode	Wall-mounted	
IP rating	IP54	
Impact protection level	IK10	
Standby self-consumption	< 6 W	
Standards Compliance (More Available Upon Request)		
Standard	EN 61851-1 2019, IEC 62955:2018, IEC 61008-1 2010, IEC/EN 62196-1	
Others		
Accessories	RFID Card * 2	



*1 Available after Q4, 2022
 *2 Available in Green Power Preferred Mode
 *3 Available after Q4, 2022
 *4 1.4 kW for 1-Phase Models and 4.3 kW for 3-Phase Models
 *5 Derating between 45°C to 55°C



Copyright © Huawei Technologies Co., Ltd.2020 All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademark Notice

 , HUAWEI and  are trademarks or registered remarks of Huawei Technologies Co., Ltd. Other trademarks, product service and company names mentioned are the property of their respective owners.

General Disclaimer

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

HUAWEI TECHNOLOGIES Dusseldorf GmbH
Südwestpark 37,90449 Nürnberg, Deutschland
Hotline: +80 03 38 88 888
Email: eu_inverter_support@huawei.com

HUAWEI TECHNOLOGIES CO., LTD.
Huawei Industrial Base, Bantian Longgang
Shenzhen 518129, P.R. China
Tel: 400-822-9999
Version No.: 04-(20201006)
solar.huawei.com