

Nano Series Duo Business Wallbox

The Nano Series is a new generation of 2x22 kW AC chargers, available in both commercial and home versions, suitable for use in residential communities, commercial properties, and private settings. It supports remote parameter viewing and control, Ad Hoc, and card activation. It has 8 built-in safety protection functions to ensure user safety. It can be equipped with a wireless router that supports full network access or be wire connected to the network. Smart solutions such as load balancing is also available to save costs and facilitate management.

EU Standard



Innovative

- Type 2 socket / cable, 2x11 kW / 1x22 kW / 2x22 kW simultaneously
- Suitable for home & semi-public use
- Easy to install by plugging back plate
- Installation cost saving

Intelligent

- Communications: Wi-Fi+4G+Bluetooth+Ethernet
- OCPP 1.6 Json
- Dynamic load balancing with LBC

Flexible

- Compatible with all EV & PHEV models
- App operation / RFID authentication / Plug to Charge
- Optional socket and cable version
- Option to select MID meter or opt out

Secure & Safe

- 30 mA Type A + 6 mA DC
- Independent RCBO
- MID certified energy meter with accurate measurement
- IK10

CE CB RoHS Reach

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Datasheet	Model	AC044K-AE-41D	AC044K-BE-41D	AC044K-TE-41D
Electrical Specification	Power Supply	3P+N+PE		
	Rated Voltage	400 V AC		
	Rated Current	2x32 A		
	Frequency	50 / 60 Hz		
	Rated Power	2 x 22 kW		
	Power Measurement Accuracy	1% with MID		
Classic Attributes	Charge Connector	Type 2 Cable	Type 2 Socket	T2S Socket
	Cable Length	7 m	/	
	Enclosure Material	PC		
	Colour	Black (PANTONE Black C)		
Interactive Interface	Installation	Wall-mount / Pole-mount (Optional)		
	LED Indicator	Green / Yellow / Red		
	Screen	7" Colour Touch Screen		
	RFID Reader	ISO/IEC 14443 Type-A (MIFARE Classic, MIFARE DESFire Duox)		
Communication	Start Mode	Plug to Charge / RFID card / App		
	Wi-Fi & Ethernet & Bluetooth & 4G	Standard		
	OCPP	OCPP 1.6 Json		
Safety	Embedded Leakage Protection	30 mA Type A + 6 mA DC		
	RCBO	Type A		
	Ingress Protection	IP55	IP54	
	Impact Protection	IK10 (except screen)		
	Electrical Protection	Overcurrent protection, Residual current protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over temperature protection		
	Certification	CE / CB / RoHS / Reach		
	Certification Standard	IEC 61851-1:2017 EN IEC 61851-1:2019 EN IEC 61851-21-2:2021 EN IEC 61000-6-1:2019 EN IEC 61000-6-3:2007+A1 EN 300 328 V2.2.2:2019 EN 300 330 V2.1.1:2017 EN 301 489-1 V2.2.3:2019 EN IEC 61000-6-2 / -4:2019 EN 301 489-3 V2.1.1:2019 EN 301 489-17 V3.2.0:2017 EN 62311:2020 BS 7671:2018+A2:2022 EN 18031-1:2024		
Warranty	2 Years			
Working Environment	Operating Temperature	-30°C to +45°C		
	Operating Humidity	5%-95%		
	Operating Altitude	≤2000 m		
Package	Product Dimension	559 x 367 x 181 mm (H x W x D)	559 x 367 x 197 mm (H x W x D)	559 x 367 x 197 mm (H x W x D)
	Package Dimension	635 x 430 x 345 mm (L x W x H)	620 x 466 x 245 mm (L x W x H)	620 x 466 x 245 mm (L x W x H)
	Net Weight	20 kg	10 kg	10 kg
	Gross Weight	21 kg	12 kg	12 kg
	External Packing	Carton		