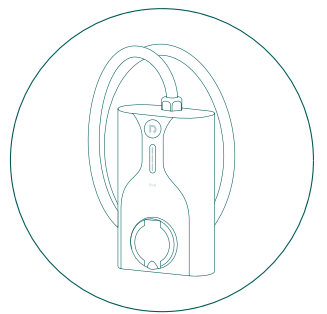
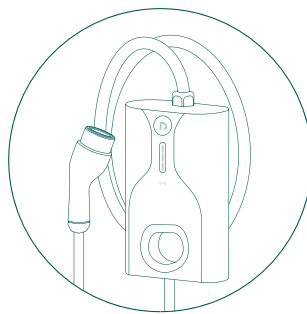
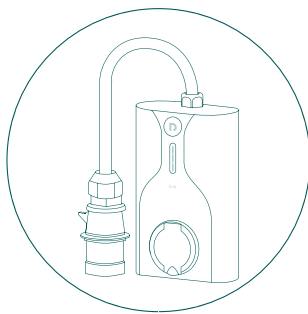
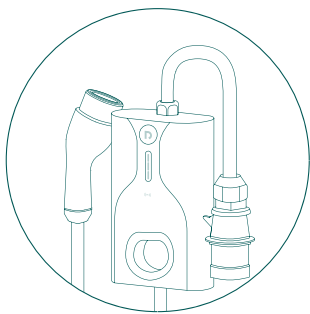
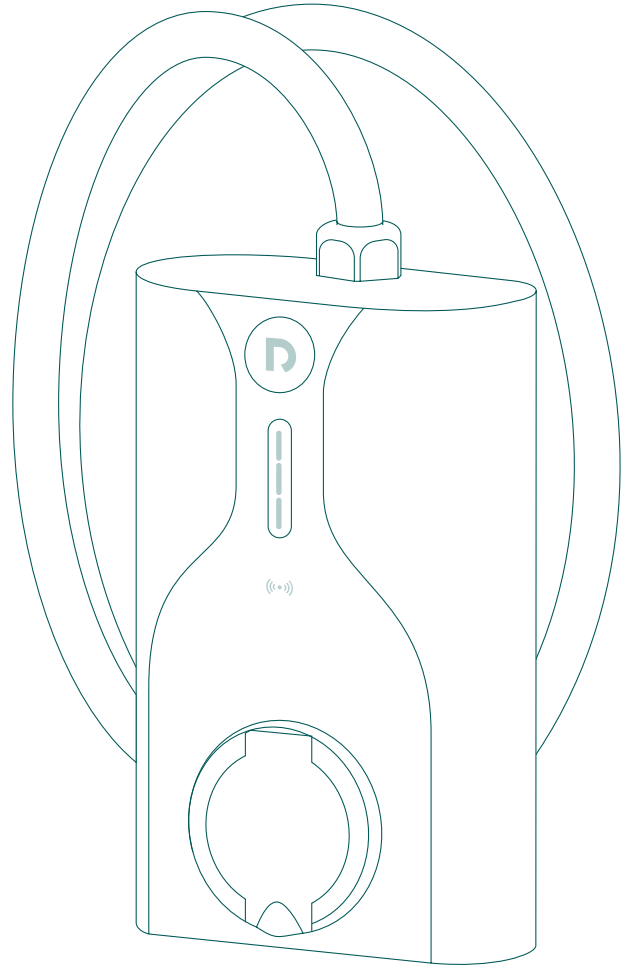


Rev 2.0  
2025

# NORA

## Technical Datasheet



SMART HOME CHARGING

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# Technical Specifications

## General

<b>Charging connector</b>	IEC 62196 Type 2 cable 5m, Type 2 socket
<b>Authentication methods</b>	Plug & Charge, RFID, Push Start button, RAEDIAN APP via BLE, OCPP Backend
<b>HMI &amp; indication</b>	RGB Logo LEDs, RGB Status LEDs
<b>Nominal output voltage</b>	Single phase: 230VAC $\pm$ 20%, Three phase: 230/400VAC $\pm$ 20%
<b>Maximum output power</b>	Single phase up to 7.4kW Three phase up to 22kW with downgrade compatibility
<b>Earthing system</b>	TN/TT/IT
<b>Protection</b>	UVP, OVP, OCP, Relay Stuck, Over Temperature
<b>Residual current protection</b>	At least Type A RCD upstream + Integrated 6mA DC per IEC 62955
<b>Nominal frequency</b>	50/60Hz
<b>Metering accuracy</b>	Calibrated $\pm$ 2% Accuracy

## Connectivity

<b>Vehicle communication</b>	Mode 3 in accordance with IEC 61851-1 ed. 3 (2017)
<b>RFID authentication</b>	ISO/IEC 14443A/B, 13.56 MHz
<b>Connectivity to backend</b>	Wi-Fi: 2.4GHz, 802.11 b/g/n; 4G: LTE CAT I, LTE-FDD: B1/3/5/7/8/20/28
<b>Backend protocol</b>	OCPP 1.6 (JSON) 2nd edition
<b>Connectivity to EMS/Meter</b>	LoRa Wireless 868MHz
<b>Connectivity to smart phone</b>	Bluetooth
<b>SIM card</b>	eSIM: Integrated

## Load Management Options

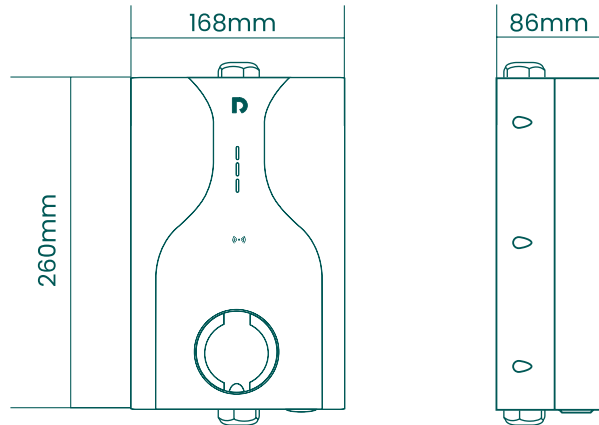
- Connect to Air DLM Kit for Dynamic Load Balancing and Solar Charging,
- OCPP backend load management,
- Static load management setting in RAEDIAN APP, RAEDIAN Install APP.

## Operating Conditions

<b>Operating temperature</b>	-30 ~ 55°C with derating mechanism
<b>IK protection (mechanical impact)</b>	IK10
<b>Relative humidity</b>	5% ~ 95%
<b>Operating altitude</b>	2000m
<b>Electrical safety class</b>	Class I
<b>Standby power</b>	4.5W
<b>Degree of protection (housing)</b>	IP55
<b>Environmental conditions</b>	Indoor / outdoor use
<b>EMC Environmental conditions</b>	Class B residential according to IEC 61851-21-2

## Mechanical

<b>Mounting options</b>	Wall mounted, Pedestal
<b>Material</b>	Polycarbonate, UV resistant and flame retardant, UL94 V0
<b>Casing (exterior) dimensions</b>	260 x 168 x 86 mm (H x W x D)
<b>Packaging dimensions (H x W x D)</b>	430 x 360 x 130 mm (CEE socket variant), 430 x 205 x 320 mm (CEE cable variant), 430 x 205 x 320 mm (Hardwire)
<b>Weight</b>	3.9–6.2 kg



## Compliance

<b>Safety</b>	EN 61851-1, EN 62955, EN 62196, EN 61439
<b>EMC</b>	EN 61851-21-2:2021, EN 301489-1 V2.2.3:2019, EN 301489-3 V2.3.2:2023, EN 301489-17 V3.2.5:2022, EN 301489-52 V1.2.1:2021
<b>RED</b>	EN 300328 V2.2.2:2019, EN 300330 V2.1.1:2017, EN 301908-1 V15.1.1:2021, EN 301908-13 V13.2.1:2022, EN 300220-1 V3.1.1:2017, EN 300220-2 V3.1.1:2017
<b>Health</b>	EN 62311:2008, EN 50663:2017, EN 61000-6-2:2016, EN 61000-6-3:2006
<b>RoHS</b>	Directive 2011/65/EU & (EU) 2015/863 Annex II
<b>UKCA</b>	UK Smart Charging Legislation, BS 7671:2018+A2:2022

# Accessories



## Pedestal

For charging station mounting  
Double-sided installation, cable hook

Dimension(HxWxD): 1,435.5 x 260 x 200 mm

Packaging(HxWxD): 1,460 x 310 x 210 mm

Material: Aluminium Alloy

Color: Black



## RFID Card

5\*RFID: RFID Card, Home, 5 Cards



## EU Adaptor Pack 22kW

NORA Adaptor Set 22kW to  
CEE 3P 16A  
CEE 1P 32A  
Household plug (Type E/F, Type G,  
Type L)



## EU Adaptor Pack 7kW

NORA Adaptor Set 7kW to Household plug  
(Type E/F, Type G, Type L)



## Charging Cable

T2 to T2, 5m, 1-phase, up to 32A(7kW)  
T2 to T2, 7.5m, 1-phase, up to 32A(7kW)  
T2 to T2, 5m, 3-phases, up to 32A(22kW)  
T2 to T2, 7.5m, 3-phases, up to 32A(22kW)  
T2 to T1, 5m, 1-phase, up to 32A(7kW)



## AIR DLM Kit

AIR DLM Kit for NORA  
3P Meter Unit, 3 CT Clamps, 100A, 1:4000



## Cable Hook

Convenient for keeping your charging  
cable organized

Color: Black

Weight: 0.106 kg