RAEDIAN

NORA + Air DLM Kit

Datasheet - SMART HOME CHARGING

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1. General

Charging connector
IEC 62196 Type 2 cable 5m,
Type 2 socket

Authentication methods
Plug & Charge
RFID
Push Start button
RAEDIAN APP via BLE
OCPP Backend

HMI & indication
RGB Logo LEDs;
RGB Status LEDs

Nominal output voltage
Single phase: 230VAC ± 20%
Three phase: 230/400VAC ± 20%

Maximum output power
Single phase up to 7.4kW.
Three phase up to 22kW with
downgrade compatibility

Earthing system
TN/TT/IT

Protection
UVP, OVP, OCP, Relay Stuck, Over
Temperature

Residual current protection
At least Type A RCD upstream +
Integrated 6mA DC per IEC 62955

Nominal frequency
50/60Hz

Metering accuracy
Calibrated ± 2% Accuracy

2. Connectivity

Vehicle communication
Mode 3 in accordance with IEC 61851-1
ed. 3 (2017)

RFID authentication
ISO/IEC 14443A/B, 13.56 MHz

Connectivity to backend
Wi-Fi: 2.4GHz, 802.11 b/g/n
4G: LTE CAT I, LTE-FDD:
B1/3/5/7/8/20/28

Backend protocol
OCPP 1.6(JSON) 2nd edition

Connectivity to EMS/Meter
LoRa Wireless 868MHz

Connectivity to smart phone
Bluetooth

SIM card
eSIM: Integrated

3. 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.

4. Operating Conditions

Operating temperature
-30 to 55ºC with derating
mechanism

Relative humidity
5% to 95%

Electrical safety class
Class I

Degree of protection (housing)
IP55

IK protection (mechanical impact)
IK10

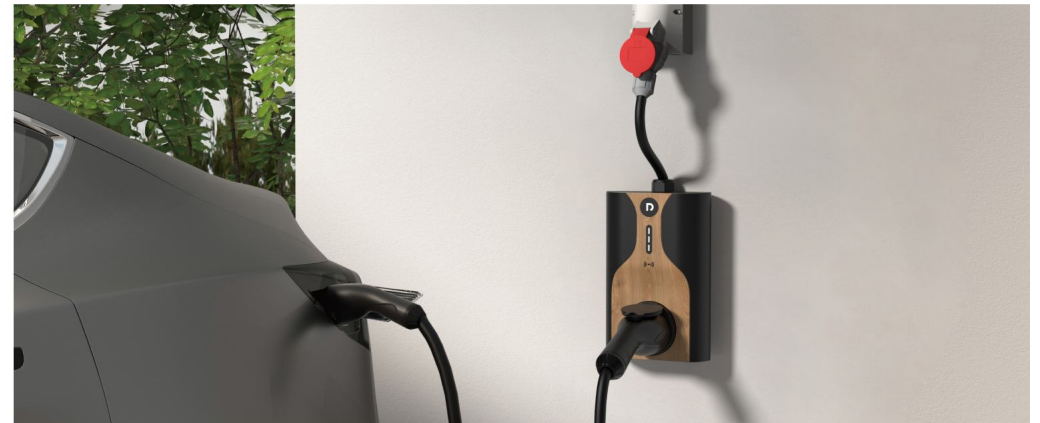**Operating altitude**
2000m

Standby Power
5.5W

Environmental conditions
Indoor / outdoor use

EMC Environmental conditions
Class B residential according to
IEC 61851-21-2

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5. Mechanical

Mounting options
Wall mounted
Pedestal

Material
Polycarbonate, UV resistant and
flame retardant, UL94 V0

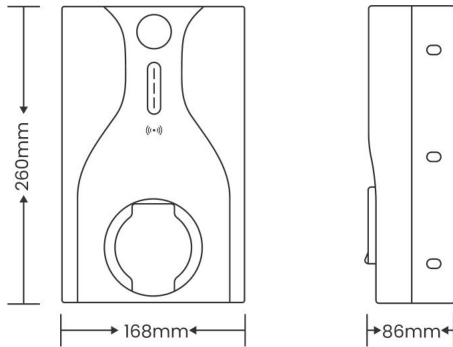**Casing (exterior) dimensions (H x W x D)**
260 x 168 x 86 mm

Packaging dimensions (H x W x D)
430 x 205 x 320 mm

Weight
4.7 - 6.7 kg

6. Compliance

Safety
EN 61851-1, EN 62955, EN 62196,
EN 61439

EMC
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

RED
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

Health
EN 62311:2008
EN 50663:2017
EN 61000-6-2:2016
EN 61000-6-3:2006

RoHS
Directive 2011/65/EU &(EU)2015/863
Annex II

7. Air DLM Kit

Model
ADW300W-LR868 100A-CT

Nominal voltage
Single phase: 230VAC
Three phase: 230/400VAC

Power comsumption
<2W

Accuracy class
Class B

Input current
100A, with 100A CT Clamp
(Default)
400A, with 400A CT Clamp
(Optional)

Electric energy metering
Active energy ：Class B
(split current transformer)

Operating Temperature
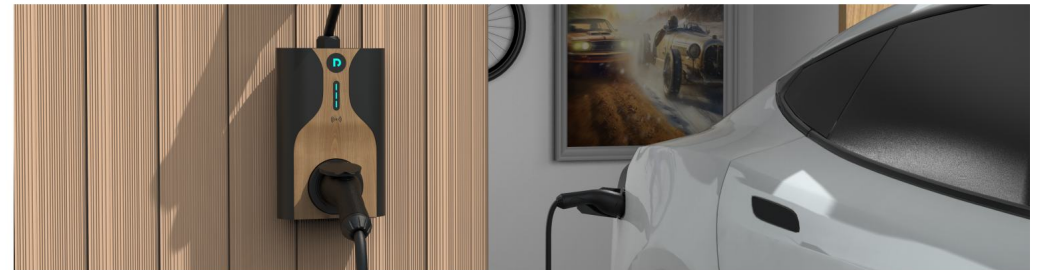-20℃ ~ 55℃

Communication
Wireless LoRa, RS-485

Air DLM Kit Dimensions (H x W x D)
92.6 x 72 x 71.5 mm

CT Perforation size
φ10mm(100A), φ24mm(400A)

Available Colors

- Black/Woodgrain
- Black/Red
- Silver/Black

Product Variants

4G		
Model	**Part no.**	**Description**
🗔 B-NORA 22-T5-E-H-W-0000	9301000002132	22kW, Cable 5m, WiFi, BLE, RFID, 1.8m Hardwire, Wood, Air DLM Kit
B-NORA 22-S-E-H-W-0000	9301000002232	22kW, Socket, 4G, WiFi, BLE, RFID, 1.8m Hardwire, Wood, Air DLM Kit
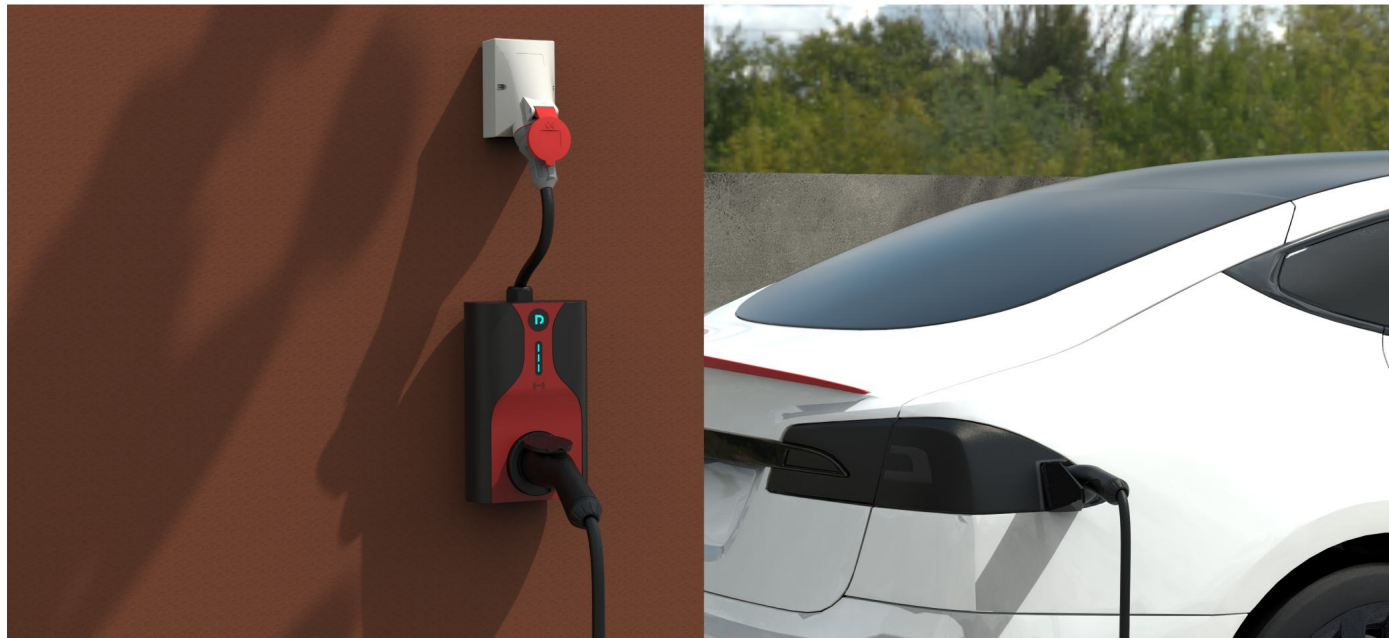
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REMARK

1. All models listed are standard products. If you need products in other colors besides black/woodgrain or have any customization needs, please feel free to contact RAEDIAN distributors or resellers.
2. The models marked with " 🗔 " are in stock in EU. For further information like MOQ or other details, please feel free to contact RAEDIAN distributors or resellers.

Accessories

Pedestal

For charging station mounting
Pedestal with roof, double side installation, cable hook
  - Dimension(HxWxD): 1,600 x 300 x 200 mm
  - Packaging(HxWxD): 1,610 x 360 x 210 mm
  - Material: Aluminium Alloy
  - Color: Black
  - Weight: 11.6 kg

Part no. 9006000000111

RFID Card

5*RFID: RFID Card, Home, 5 Cards
Part no. 9003000000001

EU Adaptor Pack 22kW

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

Part no. 9011000000531

Cable Hook

Convenient for keeping your charging cable organized
  - Color: Black
  - Weight: 0.106 kg

Part no. 9005000000001

EU Adaptor Pack 7kW

Model: NCB7-EU
NORA Adaptor Set 7kW to Household plug
(Type E/F, Type G, Type L)

Part no. 9011000000311

Charging Cable

T2 to T2, 5m, 1-phase, up to 32A(7kW) **Part no. 9022000001111**
T2 to T2, 7,5m, 1-phase, up to 32A(7kW) **Part no. 9022000001211**
T2 to T2, 5m, 3-phases, up to 32A(22kW) **Part no. 9022000003111**
T2 to T2, 7,5m, 3-phases, up to 32A(22kW) **Part no. 9022000003211**
T2 to T1, 5m, 1-phase, up to 32A(7kW) **Part no. 9022000001112**

Air DLM Kit

Wireless Controller for NORA, DLM, Solar Charging,
3 CT Clamps 100A
  - Model: ADK-3CT

Part no. 9027000000043

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