

Home

Nexxtender solution

The most complete residential charging device



One device that meets all needs



Takes local energy and house power needs into account



Cost efficient

POWERDALE EM2

Engineering smart power

Home Specifications

THE MOST COMPLETE RESIDENTIAL CHARGING DEVICE



Your house's power needs will go first, allocating remaining energy to your car.



Local production can be used as priority to charge the car.



You can launch your charge through your app, but also use badges.



You can keep track of your consumption and get either reimbursed by your employer or create expense notes.

Home

Technical specifications

CHARGING SPECIFICATIONS	
Vehicle Interface	Type 1 or Type 2 connector on integrated cable
Current Ratings	32 A
Voltage Compliancy	3 x 400 V AC + N, 3 x 230 V AC and 1 x 230 V AC
Grid Frequency	50 Hz
Charging Power Output	From 1,4 kW to 22 kW (for three-phase on board chargers) and to 7,4 kW (for single-phase on board chargers)
IEC Compliant	Mode 3 per IEC 61851-1:2017
Energy Measurement	Integrated Class 1
OPERATING CONDITIONS	
Environment	IP 55 IK 08
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-25°C to +40°C
Standby Power	5 W
MECHANICAL SPECIFICATIONS	
External Casing	ABS-PC & PC
Cable Length	4 or 7 m (option)
Approximate Shipping Weight	3 kg
Dimension (HxWxD)	250 x 250 x 60 mm
Certifications	English certification and validation documents are available on demand
Safety	Residual Current Monitoring per IEC 62752:2016 (AC 30 mA DC 6mA)
Product	Product declaration of conformity
EXTRA FEATURES	
Connectivity	BLE (Bluetooth Low Energy) Wifi ready: a future (remote) update will activate the built-in wifi module and provide additional connectivity methods
App Connectivity	Compatible with Android 5.0 and higher and iOS 8 and higher
Memory	Data back-up • Up to one month of charging sessions • Up to one week of measurements and events
Status	Status LED indicator
Identification/Start charging	RFID reader or via the Nexxtender App
Smart charging	Two modes: • Max: maximise charging power • Eco: optimise self consumption
Safe mode	Offloading via an external system connected to digital input
External metering compatibility	Class 1 - Up to 80 A provided with the device



Equipped with Powerdale upgrade technology to launch software updates from a distance.

“We provide technological solutions for electromobility and energy management.”

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