

charge. fast. anywhere.  
The flexible Wallbox.



# NRGkick

flexible wallbox for electric vehicles  
Product data sheet





## NRGkick

## Safety connector system

### For every electric vehicle (Type 2)

1-/2-/3-phases  
Charging power up to 22 kW

### Different cable lengths

5m, 7,5m or 10m

### Light-weight and handy

Extra light for easy transport

### Plug and Play - 30 seconds

Intuitive operation, plug in and start charging

### Detailed overview

Access to all information with NRGkick app  
Data will not be lost

### Extremely robust

Drive-over proof  
Waterproof/dustproof (IP67, IP69K)

### Easy & fast

NRGkick charges at the maximum possible AC charging speed (up to 22 kW). It can be used immediately at any standard socket and at public charging stations - without any complex installation.

### Safe

NRGkick offers unprecedented safety features. The NRGkick's patented safety NRGkick's patented connector system, for example, ensures that dangerous arcing is eliminated and provides temperature monitoring for each connector attachment and on each individual phase pin.

### Innovative

NRGkick is one of the most innovative loading units ever. Thanks to its full connectivity (4G M1, 4G NB-IoT, EDGE, GPRS), loads can be precisely assigned via GPS or WLAN location linking. Operation is convenient via NRGkick app or with a swipe on the touch surface of the charging unit.

### Attachment 32A 5Pol

3-phase | max. 22 kW



### Attachment 32A 3Pole

1-phase | max. 7,4 kW



### Attachment 16A 5Pole

3-phase | max. 11 kW



### Attachment 16A 3Pole

1-phase | max. 3,7 kW



### Attachment Typ 2

3-phase | max. 22 kW



### Attachment domestic plug

1-phase | max. 13 A  
more variants available



## Product information

### Absolute safety

NRGkick is the safest loading unit on the market. It offers a wide range of safety features such as temperature monitoring on each plug attachment and phase pin, overheating protection, blackout protection, undervoltage protection and over-voltage protection, phase shift detection, false connection test, switching contact diagnosis, protective conductor test by means of loop impedance measurement, included residual current protection (AC, DC + 6 mA) and much, much more!

### Full connectivity

Via Bluetooth, WLAN, NRGkick Cloud and the API, NRGkick is always and everywhere accessible. Optionally, the intelligent charging unit offers connectivity via GSM/GPS/SIM. Here, the connection is made via EDGE, GPRS as well as 4G M1 and 4G NB-IoT and is thus equipped for the requirements of the Internet of Things. There is also the option of integrating NRGkick into your smart home system using the local API.

### Intelligent Features

The multitude of functions makes NRGkick arguably the most intelligent loading unit on the market, offering among others: Automatic charging reports, locally assignable charging reports via WLAN, display of charging current costs, time-controlled charging, upgradeability, photovoltaic-guided charging, optional OCPP, grid-serving control capability, autonomous Load Management, Charging4Fleets....

### Highest Quality

NRGkick was the first mobile charging unit ever to be validated and certified by VDE and ÖVE. However, not only NRGkick itself, but also the production meets the highest standards. Therefore, the manufacturing and production facility is also certified by VDE and ÖVE and continuously production monitored.



## Technical data

### Type name

NRGkick

### Nominal voltage

230V/400V 50Hz

### Nominal current

32A

### Maximum charging power

22 kW

### RCD (AC)

30mA

### RCD (DC)

6mA

### IP protection class

IP67, IP69K



### Charge mode

Mode 2 according to IEC EN 62752  
Mode 3 when using attachment  
Type 2

### Weight

5m variant approx. 3,86 kg

### CE compliance

CE compliant to   
UKCA compliant to   
IEC EN 62752, IEC EN 62196,  
IEC EN 60309

### Operating conditions

-40° C... +70° C (standard: +45° C)  
5% - 95% humidity  
max. 4.000m above sea level

### Dimensions (L, W, H)

216mm x 90mm x 64mm

### Connection technology

Bluetooth Low Energy (BLE), WiFi;  
Optional: GSM- und GNSS-interface  
(GSM: EDGE, GPRS, 4G M1, 4G NB-IoT; GNSS: GPS, GLONASS, Galileo, Baidu)  
Local API via Modbus TCP, JSON

