

charge. fast. anywhere.  
Your mobile charging unit



# NRGkick

Everything your EV ever needs for charging.

mobile charging unit for electric vehicles

Product data sheet



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**For every electric vehicle (Type 2)**

1-/2-/3-phases, up to 22 kW

**Different cable lengths**

5m, 7,5m or 10m

**Light-weight and handy**

Extra light for easy transport

**Plug and Play**

Intuitive operation, plug in and start charging

**Intelligent**

Access to all information with NRGkick App

**Extremely robust**

Drive-over proof, water-/dustproof (IP67)

**Easy & fast**

NRGkick charges all EVs with Type 2 interface at the maximum possible AC charging speed (up to 22 kW). It can be used immediately at any standard socket and, by means of the optionally available Type 2 smart attachment, also at public charging stations - without time-consuming installation.

**Safe**

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

**Innovative**

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

**Safety connector system**

**Smart Attachment 32A 5Pole**

3-phase | max. 22 kW



**Smart Attachment 32A 3Pole**

1-phase | max. 7,4 kW



**Smart Attachment 16A 5Pole**

3-phase | max. 11 kW



**Smart Attachment 16A 3Pole**

1-phase | max. 3,7 kW



**Smart Attachment Type 2**

3-phase | max. 22 kW



**Smart Attachment domestic plug**

1-phase | max. 13A  
more variants available



**Product information**

**Absolute safety**

NRGkick is the safest charging unit on the market. It offers a wide range of safety features such as temperature monitoring at each smart attachment and phase pin, overheating protection, blackout protection and undervoltage protection, overvoltage protection, phase shift detection, false installation 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, WiFi, NRGkick Cloud and the Web API, NRGkick is accessible always and everywhere. Optionally, the smart charging unit offers connectivity via GSM/GPS/SIM. The connection here is via EDGE, GPRS as well as 4G M1 and 4G NB-IoT and is thus equipped for the requirements of the Internet of Things.

**Intelligent features**

The variety of features makes NRGkick arguably the most intelligent charging unit on the market, which offers among others: Automatic charging reports, locally assignable charging reports via WiFi, display of charging costs, time-controlled charging, upgrade capability (e.g. photovoltaic-led charging), optional OCPP, grid-serving control option, autonomous load management, ...

**Highest quality**

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



**Technical data**

**Type name**

NRGkick

**Weight**

5m variant approx. 3,86 kg

**Nominal voltage**

230V/400V 50Hz

**CE compliance**

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

**Nominal current**

32A

**Operating conditions**

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

**Maximum charging power**

22 kW

**RCD (AC)**

30mA

**Dimensions (L, W, H)**

216mm x 90mm x 64mm

**RCD (DC)**

6mA

**Connection technology**

Bluetooth Low Energy (BLE),  
WiFi; Optional: GSM- und  
GNSS-interface (GSM: EDGE,  
GPRS, 4G M1, 4G NB-IoT; GNSS:  
GPS, GLONASS, Galileo, Baidou)

**IP protection class**

IP67

**Charge mode**

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

