

Smart Plug for smarter charging and added safety

BrightZero® Smart Plug is a standalone plug-in device that automatically cuts power once charging is effectively complete*.

After normal charging, BrightZero® automatically cuts mains power, reducing unnecessary time that the charger and connected device remain energised**.

Benefits of BrightZero Smart Plug



Supports battery lifespan

Helps reduce prolonged time at full charge and unnecessary top-up charging.



Added safety

Automatically cuts mains power after normal charging, reducing unnecessary time connected to power.



Supports more sustainable use

Helps reduce e-waste and unnecessary energy use.



Plug & Play

No Wi-Fi or app required. Plugs into a wall socket.



"BrightZero® for a smarter end to charging."

* "Effectively complete" typically means around 90–100% charge, depending on device settings (including optimised charging), battery characteristics and the charger used.

** Normal charging means that the device, battery and charger operate as intended by their manufacturers. BrightZero then automatically cuts mains power after charging. It does not replace the device's battery management system (BMS) or the charger's own protection functions and cannot detect every battery or charger fault. In abnormal or hazardous charging situations, follow the device and charger manufacturers' safety instructions.

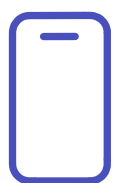
Applications



Power tools and home electronics



E-bikes and electric scooters



Smartphones and laptops



Charging points in offices and schools

BrightZero® Smart Plug for your product range

BrightZero® Smart Plug combines automatic charging cut-off with support for battery care and reduced post-charge energy use. An easy addition to a retailer's range.



For distributors and retailers

A convenient add-on purchase at checkout and through online stores

Supports sustainability communication and responsible product use

Adds customer value through automatic cut-off, added safety and reduced post-charge energy use.

Suitable for electronics, e-bike, building and home product channels

Technical specifications

Input voltage:	100–240 VAC
Frequency:	50/60 Hz
Maximum load:	16 A
Standby power consumption:	< 1 W
Mains voltage protection:	Cuts power when mains voltage is 150–200 VAC or > 250 VAC
Housing material / colour:	PC + ABS / white
Operating temperature:	-10°C – +40°C
Storage temperature:	-20°C – +60°C
Wi-Fi / app:	No Wi-Fi connection or app required
Plug type:	EU (Type F)
Product dimensions:	100 × 52.51 × 34.85 mm
Manufacturer:	Shenzhen Baishidun Technology CO., LTD. Shenzhen City, GD Province, CN
Batch marking / LOT format:	YY + MM + manufacturer’s sequence number (laser-marked on product)
Design / country of manufacture:	Designed in Finland, made in China
Compliance:	CE-marked. EU Declaration of Conformity (DoC) available.

Product features



Patented technology

BrightZero Smart Plug uses BrightCharger Oy’s patented charging control technology. Patent publications include EP3820017A1, US2021135464A1 and CN112787388B.

Become a distributor or request a BrightZero® Smart Plug demonstration: