

Instructions for Use

Battery charger



for Viega 12 V lithium ion batteries (model 2488.9)

Model
2488.91

viega

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1 About these instructions for use

Trade mark rights exist for this document; for further information, go to viega.com/legal.

These instructions are a translation of the original operating instructions.

1.1 Target groups

The information in these operating instructions is directed at the following groups of people:

- Heating and plumbing experts and trained personnel

This product must not be used by persons who do not have the aforementioned training or qualifications.

1.2 Labelling of advisory text and safety symbols

Warning and advisory texts are set aside from the remainder of the text and are labelled with the relevant pictographs.



DANGER!

This symbol warns of possible life-threatening injury.



WARNING!

This symbol warns of possible serious injury.



CAUTION!

This symbol warns of possible injury.



NOTICE!

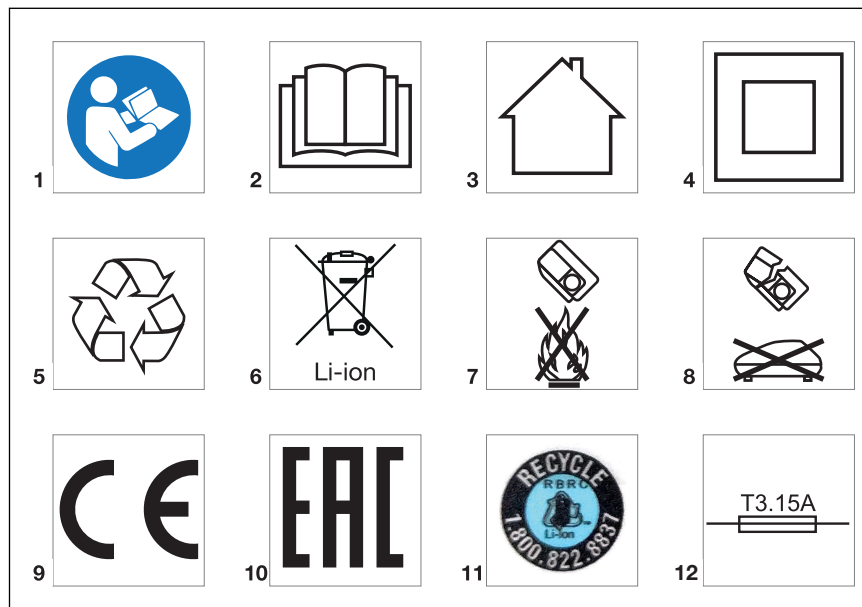
This symbol warns of possible damage to property.



This symbol gives additional information and hints.

Warning signs and symbols

Pay attention to the warning signs and symbols on the charger and on the accessories:



- 1 Observe the operating instructions
- 2 Observe the operating instructions
- 3 Use electrical tools and accessories only in areas protected from moisture
- 4 Protection class II (double insulated casing)
- 5 Recyclable rechargeable batteries
- 6 The marked product must not be disposed of as household waste
- 7 Protect battery from fire
- 8 Do not charge any damaged rechargeable batteries; replace them immediately
- 9 CE marking: Product safety in Europe
- 10 EAC mark: registers products in the Eurasian Customs Union
- 11 Rechargeable battery recycling (USA and Canada)
- 12 Anti-surge device fuse 3.15 A

1.3 About this translated version

This instruction for use contains important information about the choice of product or system, assembly and commissioning as well as intended use and, if required, maintenance measures. The information about the products, their properties and application technology are based on the current standards in Europe (e.g. EN) and/or in Germany (e.g. DIN/DVGW).

Some passages in the text may refer to technical codes in Europe/ Germany. These should serve as recommendations in the absence of corresponding national regulations. The relevant national laws, standards, regulations, directives and other technical provisions take priority over the German/European directives specified in this manual: The information herein is not binding for other countries and regions; as said above, they should be understood as a recommendation.

2 Product information

2.1 Standards and regulations

The following standards and regulations apply to Germany / Europe and are provided as a support feature.

Regulations from section: Disposal

Scope / Notice	Regulations applicable in Germany
Disposal of old electrical and electronic appliances	2012/19/EU

2.2 Safety advice

Basic safety rules for the chargers and batteries

Use the charger to charge only those batteries listed in these instructions as compatible.

Other battery types may explode and cause injury and damage to objects.

Do not use conductive objects to test the charger.

Short-circuiting battery connections may result in sparks, burn injuries or electric shock.

Do not insert batteries in a charger which has been dropped or damaged in any other way.

A damaged charger increases the risk of electric shock.

Ensure the appropriate power supply. Do not attempt to use a step-up transformer, generator or DC socket.

This may damage the charger. Risk of electric shock, fire and burn injuries.

Make sure that the charger is not covered during operation.

Sufficient ventilation is a precondition for proper functioning of the charger. Risk of fire when the vents are covered. At least 10 cm of free space are required at all sides of the chargers.

Do not charge the battery in damp, wet, or potentially explosive environments.

Protect the charger from rain, snow and dirt. Increased risk of electric shock if the charger is dirty and/or wet.

Do not open the casing of the charger.

Repairs must only be done at authorized service points.

Never take the batteries apart.

There are no parts inside the battery that can be maintained by the user. Taking batteries apart may cause electric shock or injuries.

Do not load batteries with damaged casing into the charger.

Damaged batteries increase the risk of electric shock.

Avoid all contact with fluids leaking from a damaged battery.

These fluids may cause chemical burns or skin irritation. After accidental contact with such fluids, rinse the affected skin with plenty of water. If battery fluid gets into your eyes, seek medical advice.

Do not immerse the tool, replaceable battery or the charger in liquids and ensure that no liquids penetrate the devices or batteries.

Corrosive or conductive fluids, such as salt water, certain chemicals and bleaching agents or products containing bleaching agents can cause a short circuit.

Non-rechargeable batteries must not be charged using the charger.

When not in use, keep the battery away from paperclips, coins, keys, nails, screws or other small metal objects which might make a connection from one contact to the other.

Short-circuits between the battery contacts may result in burn injuries or fire.

Do not expose a battery to fire or excessive temperature.

Exposure to fire or temperature above 130 °C may cause an explosion.



- This product is not intended for use by persons (including children) with restricted physical, sensory or mental aptitude or lack of experience and/or knowledge.
- Make sure that children do not play with this product.

2.3 Intended use

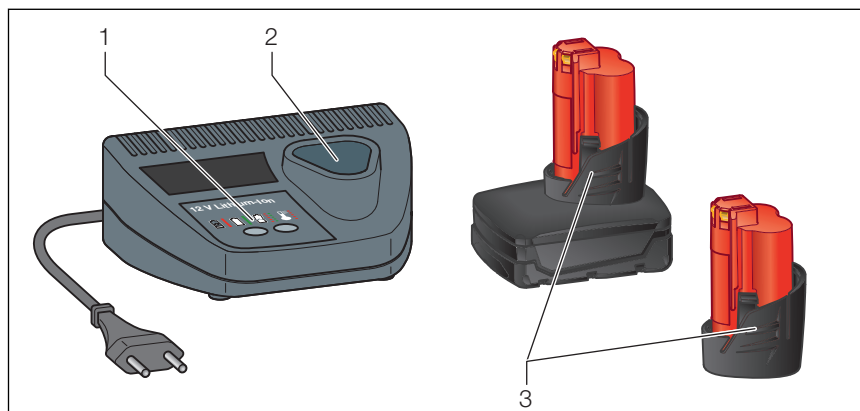
2.3.1 Areas of use

The battery charger is exclusively for use with compatible 12-V lithium ion rechargeable batteries (see type list). The battery charger does not require any adjustments.

Only connect to single-phase AC and to the mains voltage indicated on the rating plate. It is possible to connect even to sockets without a protective contact, since the assembly is protection class II.

2.4 Product description

2.4.1 Overview



- 1 Status LEDs
- 2 Battery compartment
- 1 Battery release

2.4.2 Technical data

Lithium ion rechargeable battery

Model	2488.9	
Rechargeable battery technology	Lithium ions	
Capacity	12 V / 3 Ah	12 V / 6 Ah
Weight	190 g	400 g
Charging time	70 min	130 min
Permitted charging temperature	0–60 °C	

Battery charger

Model	2488.91
Voltage range	12 V
Input	220–240 VAC / 50/60 Hz / 55 W
Output	12 V DC / 3 A
Trickle charging	500 mA
Cooling	passive convection cooling (without fan)
Recommended ambient temperature for charging	5–40 °C
Weight	460 g
Dimensions (L x W x H)	170 x 125 x 70 mm

3 Handling

3.1 Transport and storage

Transport

Lithium-ion rechargeable batteries are governed by the statutory provisions for the transportation of hazardous material. These batteries must be transported in compliance with the local, national and international regulations and provisions.

- Consumers may transport these batteries without further actions on the road.
- The commercial transport of rechargeable batteries by shipping companies is subject to the provisions for the transportation of hazardous material. The shipping preparations and transport must only be carried out by trained persons. The entire process must be supervised by an expert. The following points must be observed when transporting rechargeable batteries:
 - Ensure that the battery cannot slip inside its packaging.
 - Damaged or leaking batteries must not be transported. Contact your shipping company for further instructions.

Contact your shipping company for further instructions.

Storage

Protect the battery and charger from the following external influences:

- Impacts
- Moisture and humidity
- Dust and dirt
- Frost and extreme heat
- Chemical solutions and vapours

A temperature of over 50°C reduces the battery capacity. Avoid prolonged warming by sun and heating sources.

3.2 Charging the battery



New batteries reach their full output after approx. five charging and discharging processes.

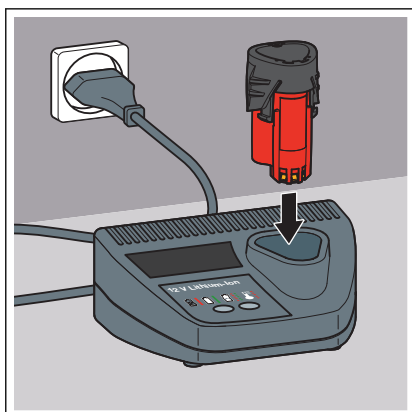
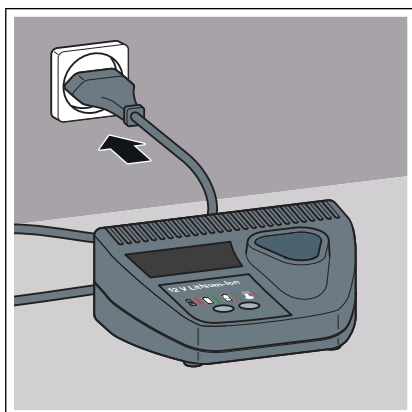
It is not necessary to fully discharge batteries before charging.



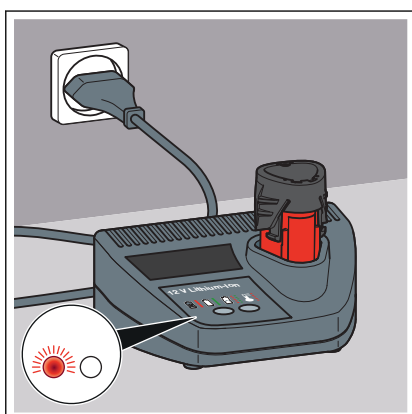
The charging time can vary depending on battery temperature, the amount of charge required and battery capacity.

Requirements:

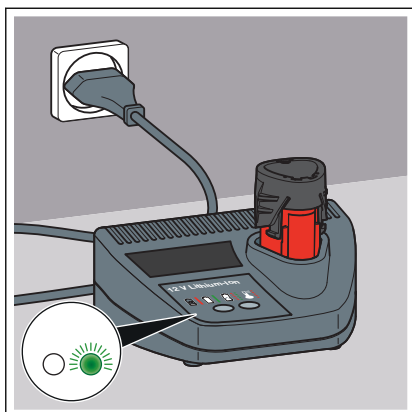
- The charger has adequate ventilation.
- The charger is located at least 10 cm away from walls and other objects.
- The ambient temperature is not outside the recommended limits.
- Connect the battery charger to the power supply.



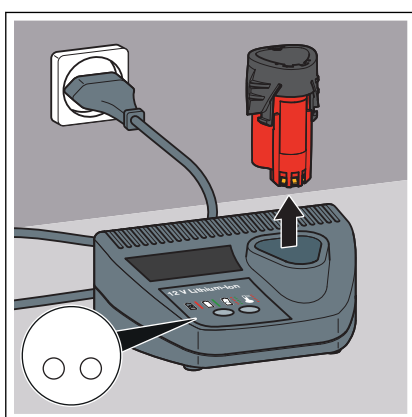
- Insert a 12 V battery into the battery compartment of the charger.



- The red LED (left) illuminates continuously when the battery is charging.



- As soon as the green LED (right) illuminates continuously, the battery is fully charged.



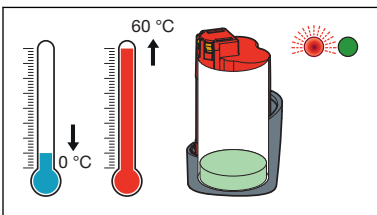
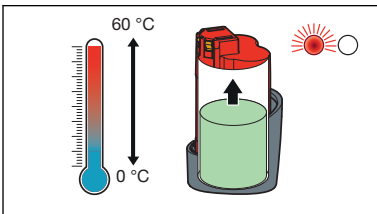
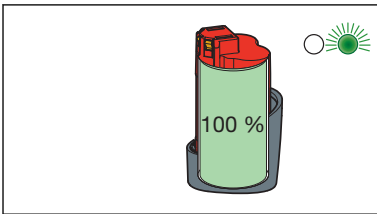
- Remove the battery from the charger.

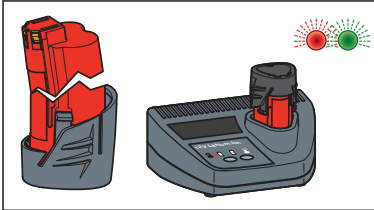


When the battery is fully charged, the charger automatically switches to trickle charge. There is no danger of the battery becoming overcharged.

Status LEDs

The charger displays various charge states via two LEDs.

LED indicators	Explanation
	<p>The red LED (left) flashes.</p> <p>The temperature of the charger or the battery is outside the temperature range of 0–60 °C. Allow the device to cool down until the permissible temperature range is reached.</p>
	<p>The red LED (left) illuminates continuously.</p> <p>The battery is charging.</p>
	<p>The green LED (right) illuminates continuously.</p> <p>The battery is fully charged.</p>

	LED indicators	Explanation
	Both LEDs flash.	The battery is not properly inserted. Remove the battery and insert it into the charger again.
		The battery or charger is damaged. For contact information see Chapter 4.2 'Service partners' on page 14

3.3 Care and maintenance

The maintenance and servicing of the charger must be carried out by service partners authorised by Viega.

3.3.1 Cleaning the devices



CAUTION! **Risk of electrocution**

Disconnect the charger from the mains power supply before cleaning.



NOTICE!

Do not use water or chemicals to clean the charger or the battery.

- Clean the charger or the battery with a soft cloth or a soft, non-metal brush.

3.3.2 Inspection and maintenance



NOTICE! **Risk of device damage due to improper repairs or maintenance**

The charger and battery must not be maintained by the user.

Do not attempt to open the charger or batteries, to charge individual cells, or to clean internal components.

If you have any questions about servicing or repairs, contact the service partners named by Viega; see [Chapter 4.2 'Service partners'](#) on page 14.

3.4 Disposal

Parts of the lithium ion rechargeable batteries contain valuable materials and can be recycled. For disposal, comply with the regulations applicable in your country. For more information, contact your local waste management authority.

For EU countries:

Do not dispose of electrical and electronic devices in household waste. Dispose of the device pursuant to the regulations applicable in your country, see ↗ *'Regulations from section: Disposal' on page 5.*



Observe the requirements on the transport of road and rail freight and of ocean and air freight if sending defective lithium ion rechargeable batteries.

4 Appendix

4.1 EC Declaration of Conformity



EC Declaration of conformity
2006/95/EC, 2004/108/EC

Attendorn, 14.01.2020

Viega Supply Chain GmbH & Co. KG
Viega Platz 1
57439 Attendorn, Germany

We hereby declare on our sole responsibility that the products listed below comply with the Directives 2006/95/EC, 2004/108/EC.

Applied harmonised standards: EN 60335; EN 55014-1; EN 55014-2; EN 61000-3-2; EN 6000-3-3; EN 62233



p.p. C. Volkmer
Head of Product Management


p.p. U. Grünkemeier
Product Management

Article	Model - Designation
798499	248891 Battery charger 12 V

Viega Supply Chain GmbH & Co. KG, Viega Platz 1, 57439 Attendorn, Germany, Phone +49 (0) 2722 61-0, Fax +49 (0) 2722 61-1415, viega.com
International VAT ID No. DE307732088, based in Attendorn, Local Court Siegen under Commercial Register No. HRA 9165
General Partner: Viega Holding GmbH & Co. KG, based in Attendorn, Local Court Siegen HRA 7404 (general partners thereof: Viega Holding Beteiligungs B.V. [Chairmen of the Managing Board: Walter Viegener, Claus Holst-Gydesen; Directors: Ralf Baginski, Andreas Brockow, Andreas Fieflhaus, Dirk Gellisch, Patrick Grundke, Peter Schöler], Viega Holding Beteiligungs GmbH [Directors: Walter Viegener, Claus Holst-Gydesen])
Bank account: Deutsche Bank AG Siegen, IBAN DE10 4607 0090 0532 3720 00, BIC DEUTDE33HAN

Fig. 1: EC Declaration of Conformity charger





EC Declaration of conformity
EMC 2014/30/EU

Attendorn, 21.04.2020

Viega Supply Chain GmbH & Co. KG
Viega Platz 1
57439 Attendorn, Germany

We hereby declare on our sole responsibility that the following products comply with the Directives EMC 2014/30/EU.


 p.p. G. Volkmann
 Head of Product Management


 p.p./U. Grünkemeier
 Product Management

Article	Model - Designation
798475	24889 Lithium ion rechargeable battery 12 V / 3.0 Ah
798482	24889 Lithium ion rechargeable battery 12 V / 6.0 Ah

Viega Supply Chain GmbH & Co. KG, Viega Platz 1, 57439 Attendorn, Germany, Phone +49 (0) 2722 61-0, Fax +49 (0) 2722 61-1415, viega.com
 International VAT ID No. DE307732068, based in Attendorn, Local Court Siegen under Commercial Register No. HRA 9165
 General Partner: Viega Holding GmbH & Co. KG, based in Attendorn, Local Court Siegen HRA 7404 (general partners thereof: Viega Holding Beteiligungs B.V. (Chairmen of the Managing Board: Walter Viegener, Claus Holst-Gydesen; Directors: Ralf Baginski, Andreas Brockow, Andreas Fieffhaus, Dirk Gellisch, Patrick Grundke, Peter Schöler); Viega Holding Beteiligungs GmbH (Directors: Walter Viegener, Claus Holst-Gydesen))
 Bank account: Deutsche Bank AG Siegen, IBAN DE10 4607 0090 0532 3720 00, BIC DEUTDE33HAN

Fig. 2: EC Declaration of Conformity rechargeable battery 12 V

4.2 Service partners

The Viega local subsidiary or the authorised service partner will answer your questions about the repair and maintenance of your product and about spare parts.

Country code	Company	Address/contact
A	König & Landl GmbH	Gewerbering 2, 2020 Hollabrunn (+43) 01 479 74 84 - 50 / hollabrunn@koenig-landl.at
OFF	Nepean Boltmaster Pty Ltd ABN	42 Borec Road, 2750 Penrith +61 (2) 4722 3034 / warren@nepbolt.com.au
	Allied Power Tools Pty. Ltd.	12/76 Rushdale St, Knoxfield, VIC 3180 +61 (3) 9764 2911/ alliedservice@aanet.com.au
B	OMICRON-Benelux bvba	Grote Steenweg 116, 3454 Rummen-Geetbets +32 (11) 58 43 50 / rudy.massa@omicron-weldingtechnology.com
CN	德房家（中国）管道系统有限公司	无锡市锡山区万全路 30 号平谦国际现代产业园 P 栋 400 0688 668/ Dong.ji@viega.cn
	Viega (China) Plumbing Systems Co., Ltd.	Building P, Pingqian International Modern Industrial Park, No. 30 Wanquan Road, Xishan District, Wuxi, China (214107) 400 0688 668/ Dong.ji@viega.cn
CZ / SK	Mátl & Bula, spol. s r.o.	Stará pošta 750, 664 61 Rajhrad u Brna +420 547 424 424 / info@matl-bula.cz
D	Hans-Joachim Voigt & Sohn	Nordlichtstrasse 48/50, 13405 Berlin +49 (30) 413 4041 / m.sturtz@voigt-und-sohn.de
	Hamburger-Hochdruck-Hydraulik GmbH	Billwerder Billdeich 601c, 21033 Hamburg +49 (40) 7511 900 / Service@HHHydraulik.com
	Hamburger-Hochdruck-Hydraulik GmbH – Süd	Neue Gautinger Str. 21, 82110 Germering, +49 (89) 130 111 03 / Service@HHHydraulik.com
DK	Scherer's Elektro ApS	Resenbrovej 4, 2610 Rodovre +45 (44) 843738 / Steffen@scherers-elektro.dk
E	Tecno Izquierdo S.L.	Avda. del Manzanares 222, 28026 Madrid +34 (914) 759158 / tecno.izquierdo@telefonica.net
F	PLASTIPRO	245 boulevard de l'Europe, 62118 Monchy-le-Preux +33 (361) 47 40 45 / contact@sarl-plastipro.fr
FN	Sähköhuolto Tissari Oy	Poijutie 3, 70460 Kuopio + 358 (17) 26 48 500 / osmo.tissari@sht.fi
GR	Ergon Equipment A.E.T.E.	102 Kleisthenous & Papafiessa Str, 153 44 Athens +30 (210) 604945 4 / astathis@ergon.com.gr
I	Elmes KG	Via Artigianale Nord, 6, 39044 Neumarkt +39 (0471) 813399 / info@elmes.it
I	O.R.E. s.r.l.	Via Sassonia, 16/G, 47900 Rimini +39 (0541) 741003 / info@oreutensili.com

Country code	Company	Address/contact
JP	Toyo Kiko Inc.	717-5 Shimokuya-machi, 378-0061 Numata-shi +81 (278) 24 41 77 / r.adachi@toyo-fit.co.jp
NO	Grønvold Maskinservice A/S	Brobekkveien 104 A, 0613 Oslo +47 (23) 05 06 40 / Terje@gronvoldmaskin.no
NL	MG Service	Canadabaan 2, 5388 RT Nistelrode +31 (412) 617 299 / info@mgservice.nl
RU	KONTURS-SDM	Московская область, Солнечногорский район, Ленинградское шоссе, 34 км., стр. 15 (полигон МАДИ) +7 (499) 702-45-88 / remont@konturs-sdm.ru
S	Elektroverkstaden Kent Andersson AB	Propellervägen 7, 39241 Kalmar +46 (732) 30 57 40/ info@elektrov.se
UK	MEP LLA Glasgow - Depot 190	Unit K, Ashley Drive Bothwell, G71 8BS Glasgow +44 (1698) 740047 / angela.hepburn@vpplc.com
	Broughton Plant Hire	Unit 10, Trade City, Ashton Road, RM3 8UJ Romford, Essex +44 (1708) 383350 / steve@mbroughtonltd.co.uk



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