

Instructions for Use
Battery Charger
Lithium Ion Rechargeable Battery

US



Model
2998.63
2998.65



Contents

1	Instructions for Use	3
1.1	Disclaimer	3
1.2	Symbols Used	3
1.3	Audience	5
2	Product Information	6
2.1	General Safety Instructions for Electrical Tools	6
2.2	Intended Use	9
2.3	Product Description	10
2.3.1	Overview	11
2.3.2	Technical Data	11
3	Handling	12
3.1	Transport and Storage	12
3.2	Mounting the Charger on the Wall	12
3.3	Charging the Battery	13
3.4	Care and Maintenance	14
3.4.1	Cleaning the Device	14
3.4.2	Inspection and Maintenance	15
3.5	Service Partners	15
3.6	Disposal	15

1 Instructions for Use

1.1 Disclaimer



This document is subject to updates. For the most current Viega technical literature please visit www.viega.us.

US



Viega products are designed to be installed by licensed and trained plumbing and mechanical professionals who are familiar with Viega products and their installation. Installation by non-professionals may void Viega LLC's warranty.

1.2 Symbols Used

Within this document, the following symbols may be used:



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.



Notes give you additional helpful tips.

Battery Charger and Lithium Ion Rechargeable Battery

1



1



2



3



4



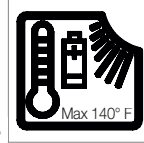
5



6



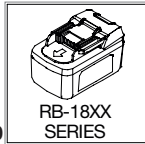
7



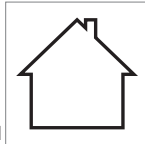
8



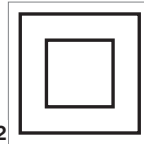
9



10



11



12



13



14



15



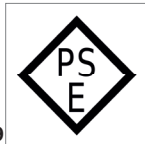
16



17



18



19



20



21



22



23



24

Observe the warning signs and symbols affixed to the charger and accessories.
See image **1** on the previous page.

- 1 General hazard symbol
- 2 Danger of electric shock
- 3 Observe the operating instructions
- 4 Wear eye protection
- 5 Protect the battery from fire
- 6 Protect the battery from moisture
- 7 Do not expose the device to water or rain
- 8 Maximum operating temperature: 140° F
- 9 The battery is compatible with the RBC-XX series of chargers
- 10 The charger is compatible with the RB-18XX series of batteries
- 11 Use electrical tools and accessories only in areas protected from moisture
- 12 Protection class II (double insulated casing)
- 13 Recyclable lithium ion rechargeable batteries
- 14 The marked product must not be disposed of as household waste
- 15 The product can be used for its intended purpose for ten years (China RoHS)
- 16 Recycling of batteries (USA and Canada)
- 17 CE marking: Product Safety in Europe
- 18 EAC marking: Registration of products in the territory of the Customs Union
- 19 PSE marking: Japanese Safety Standard for Electrical Installations
- 20 RCM marking: Electrical Safety / Electromagnetic Compatibility (Australia)
- 21 INMETRO marking: Certification for Brazil / ETL marking: Tested Product Safety
- 22 KC marking: Certification for South Korea
- 23 CQC marking: Certification for China
- 24 GS marking: Tested safety

US

1.3 Audience

The information in this document is directed at the following groups of people:

- Heating and plumbing professionals and trained personnel.

2 Product Information

2.1 General Safety Instructions for Electrical Tools

This section comprises general instructions for numerous different products and electrical tools. Consequently, not every safety instruction will necessarily apply to this tool.



WARNING!

Read all safety warnings, instructions, illustrations and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to the corded power tool or battery-operated (cordless) power tool.

1) Work Area Safety

a) Keep work area clean and well lit.

Cluttered or dark areas invite accidents.

b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

Power tools create sparks which may ignite the dust or fumes.

c) Keep children and bystanders away while operating a power tool.

Distractions can cause you to lose control.

2) Electrical Safety

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.

Unmodified plugs and matching outlets will reduce risk of electric shock.

b) Avoid body contact with grounded surfaces, such as pipes, radiators, ranges, and refrigerators.

There is an increased risk of electric shock if your body is grounded.

c) Do not expose power tools to rain or wet conditions.

Water entering a power tool will increase the risk of electric shock.

d) Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.

Damaged or entangled cords increase the risk of electric shock.

- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.**

Use of a cord suitable for outdoor use reduces the risk of electric shock.

- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**

Use of an RCD reduces the risk of electric shock.

3) Personal Safety

US

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.**

A moment of inattention while operating power tools may result in serious personal injury.

- b) **Use personal protective equipment. Always wear eye protection.**

Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up, or carrying the tool.**

Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

- d) **Remove any adjusting key or wrench before turning the power tool on.**

A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

- e) **Do not overreach. Keep proper footing and balance at all times.**

This enables better control of the power tool in unexpected situations.

- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.**

Loose clothes, jewellery, or long hair can be caught in moving parts.

- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.**

Use of dust collection can reduce dust-related hazards.

- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.**

A careless action can cause severe injury within a fraction of a second.

4) Power Tool Use and Care

- a) **Use the correct power tool for your application.**

The correct power tool will do the job better and safer at the rate for which it was designed.

- b) **Do not use the power tool if the switch does not turn it on and off.**

Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

- c) Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.**

Such preventive safety measures reduce the risk of starting the power tool accidentally.

- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**

Power tools are dangerous in the hands of untrained users.

- e) Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.**

Many accidents are caused by poorly maintained power tools.

- f) Keep cutting tools sharp and clean.**

Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

- g) Use the power tool, accessories, and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.**

Use of the power tool for operations different from those intended could result in a hazardous situation.

- h) Keep handles and grasping surfaces dry, clean, and free from oil and grease.**

Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) Battery Tool Use and Care

- a) Recharge only with the charger specified by the manufacturer.**

A charger that is suitable for one type battery pack may create a risk of fire when used with another battery pack.

- b) Use power tools only with specifically designated battery packs.**

Use of any other battery packs may create a risk of injury and fire.

- c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another.**

Shorting the battery terminals together may cause burns or a fire.

- d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek medical help immediately.**

Liquid ejected from the battery may cause irritation or burns.

- e) Do not use a battery pack or tool that is damaged or modified.**

Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion, or risk of injury.

- f) Do not expose a battery pack or tool to fire or excessive temperature.**

Exposure to fire or temperature above 266° F may cause explosion.

- g) Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.**

Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6) Service

- a) Have your power tool serviced by a qualified repair person using only identical replacement parts.**

This will ensure that the safety of the power tool is maintained.

- b) Never service damaged battery packs.**

Service of battery packs should only be performed by the manufacturer or authorized service providers.

7) Basic Safety Rules

- a) Use the correct tools.**

Only use the tools and accessories listed in the operating instructions. Do not use electric tools for purposes or work they are not intended for.

- b) Secure the workpiece.**

Use clamping devices or a vice to hold the workpiece. It is held more securely than it would be by hand and both your hands are free to operate the tool.

- c) Leave protective equipment in place.**

- d) Hand-held devices must not to be used as stationary equipment.**

- e) Do not hold the device in the compression area.**

- f) Do not hold any body parts or foreign objects between the press jaws when activating the pressing cycle. Do not hold the jaw lever during the pressing cycle. Danger of crushing!**

There is a danger of crushing the fingers and hands.

- g) Observe the safety instructions for the use of cleaning and corrosion protection agents.**

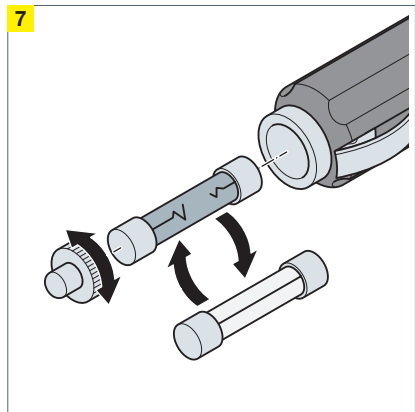
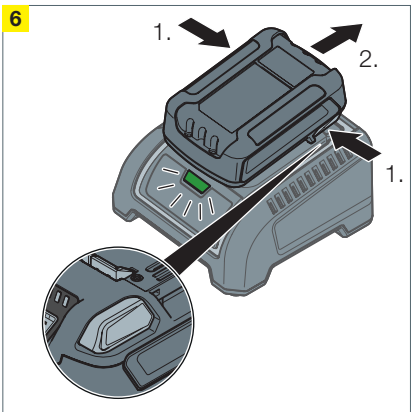
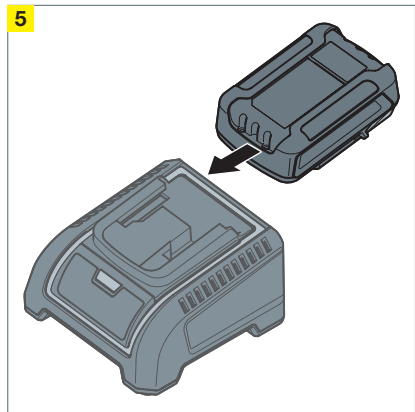
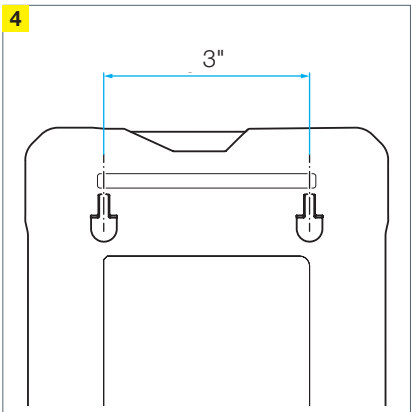
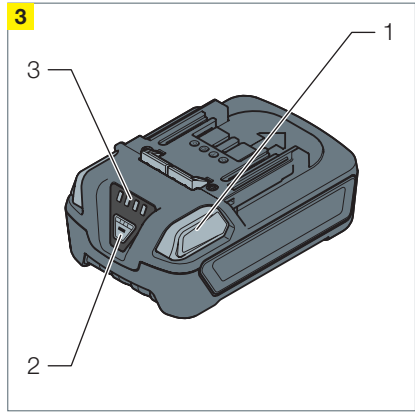
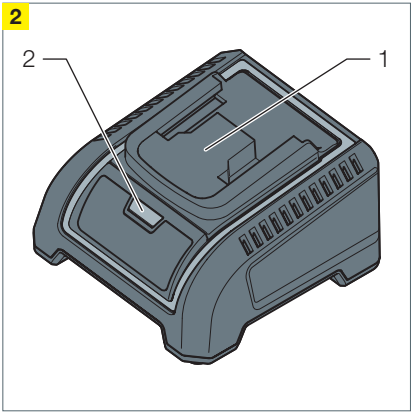
- h) Ensure that the workpiece is not under tension.**

2.2 Intended Use

The battery charger is suitable only for use with compatible 18V lithium ion rechargeable batteries (see type list). The battery charger does not require any adjustments.

The battery charger can be operated with either 100–240V AC (household power connection) or 12V DC (e.g., in a car).

2.3 Product Description



2.3.1 Overview

See image **2**.

Control elements on the battery charger

- 1 Rechargeable battery compartment
- 2 Status LED

See image **3**.

Control elements on the lithium ion rechargeable battery

- 1 Battery release
- 2 Button for checking the charge level
- 3 Charge level display

US

2.3.2 Technical Data

Lithium ion rechargeable battery, Model 2998.63	Part 57260	Part 57261
Capacity	18V/2.5Ah	18V / 5 Ah
Weight	1.1 lbs	1.6 lbs
Permissible maximum temperature	140° F	140° F

Battery charger, Model 2998.65		
Input	AC	DC
	100 to 210V	11.8 to 15.8V
	50 to 60 Hz	—
	maximum 2A	12.5A
Output	18V / 4.0A	18V / 2.0A
Charging time: 2.5 Ah battery	approx. 39 minutes	approx. 74 minutes
Charging time: 5 Ah battery	approx. 82 minutes	approx. 148 minutes
Cooling	passive convection cooling (without fan)	
Operating temperature	32° F to 113° F	
Weight	1.5 lbs	
Dimensions (L x W x H)	6.02" x 5.59" x 3.70"	
Connection cable	<ul style="list-style-type: none"> ■ AC connection cable with plug type C ■ 12V DC connection cable (for on-board plug socket) with 12.5A fuse, 250V, 3AG (0.25" x 1.25") 	

3 Handling

3.1 Transport and Storage

Transport

The battery has been tested pursuant to UN document ST/SG/AC.10/11/Rev.3/ section III, sub-section 38.3. The battery is equipped with a device for efficient protection from internal overpressure and short-circuit as well as devices for preventing forced rupture and dangerous reverse current.

The lithium equivalent volume comprised in the battery is below the applicable limit values. Accordingly, the battery is not governed by national or international dangerous goods regulations either when used on its own or inserted into a device.

The dangerous goods regulations may apply when several batteries are transported at a time, and you may be required to comply with specific conditions (e.g., for packaging).

Storage

Protect the battery and charger from the following external influences:

- Shocks
- Wetness and moisture
- Dust and dirt
- Frost and extreme heat
- Chemical solutions and vapors

Store the battery outside of the press machine or the charger.

If stored for prolonged periods in either the fully discharged or charged state or at temperatures > 140° F, the battery output can be permanently reduced.

3.2 Mounting the Charger on the Wall

The charger can also be mounted on the wall.

See image [4](#).

- Make the bore holes spaced at 3".
- Insert the screws so that the screw heads protrude by approximately $\frac{5}{16}$ ".
- Align the holes on the back of the charger with the screws, and then position the charger and push down.

3.3 Charging the Battery



New batteries reach their full output after approximately ten charging and discharging processes. It is not necessary to fully discharge batteries before charging.



Never use both connection cables for the power connection at the same time.

US

Requirements:

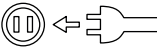
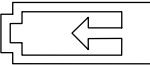

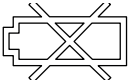
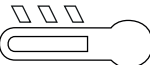
- The charger is correctly connected to the mains power supply.
 - The charger is in standby mode. The yellow LED is flashing.
- The charger has adequate ventilation.
- The charger is located at least 4" away from walls and other objects.
- The ambient temperature is not outside the specified limits of 32° F to 113° F.
- See image **5**. Attach the battery to the charger with dry hands.
 - The charger automatically starts the charging process.
 - The battery warms up slightly while charging. This is normal and does not indicate a problem.
- See image **6**. As soon as the green LED illuminates continuously, push in the two release buttons on the side of the battery and remove it.
- The battery is fully charged.
- Pull the mains cable of the charger out of the socket.



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

Status LED

The charger displays various charge states via an LED.

Symbol	LED	Meaning
	Flashes yellow	The charger is connected to the mains power supply. No battery has been inserted.
	Flashes green	Flashes slowly: The battery is being charged (charge status < 85 %). Flashes quickly: The battery is charged (charge status > 85 %).
	Illuminates green	The battery is fully charged.
	Flashes red	The battery is damaged and has to be replaced. The charger is damaged. Contact a Service Partner for repair information.
	Illuminates red	The temperature of the charger or the battery is outside the temperature range of 32° F to 113° F. Allow the device to cool down until the permissible temperature range is reached.

If the LED does not illuminate, it may be because:

- The charger has no power. Make sure that the charger is correctly connected to the mains socket.
- The charger is faulty. Contact a Service Partner for repair information.

3.4 Care and Maintenance

3.4.1 Cleaning the Device



CAUTION!

Danger of electric shock.

Disconnect the charger from the mains power supply before cleaning.



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.

3.4.2 Inspection and Maintenance



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 the batteries, to charge individual cells, or to clean internal components.

US

If you have any questions on service and repair, contact the service partners appointed by Viega.

Replacing the Fuse

The fuse in the 12V DC connection cable can be replaced as follows:

- Unscrew the casing on the front part by hand.
- See image 7. Remove the faulty fuse and insert a new one. For type designation see “2.3.2 Technical Data” on page 11.
- Screw the casing back on hand-tight.

3.5 Service Partners

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

3.6 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.

> Viega LLC
585 Interlocken Blvd.
Broomfield, CO 80021

Phone (800) 976-9819
www.viega.us

