

<b>1</b>	<b>APPLICATION .....</b>	<b>3</b>
<b>2</b>	<b>DESCRIPTION (FIG A) .....</b>	<b>3</b>
<b>3</b>	<b>PACKAGE CONTENT LIST .....</b>	<b>3</b>
<b>4</b>	<b>SYMBOLS .....</b>	<b>3</b>
<b>5</b>	<b>GENERAL POWER TOOL SAFETY WARNINGS .....</b>	<b>4</b>
<b>5.1</b>	<i>Working area .....</i>	<i>4</i>
<b>5.2</b>	<i>Electrical safety .....</i>	<i>4</i>
<b>5.3</b>	<i>Personal safety .....</i>	<i>4</i>
<b>5.4</b>	<i>Power tool use and care .....</i>	<i>5</i>
<b>5.5</b>	<i>Service .....</i>	<i>5</i>
<b>6</b>	<b>SPECIFIC SAFETY WARNINGS .....</b>	<b>5</b>
<b>7</b>	<b>SCREWDRIVER SAFETY WARNING .....</b>	<b>5</b>
<b>7.1</b>	<i>Special Safety Instructions for Battery packet and Charger .....</i>	<i>5</i>
<b>7.2</b>	<i>Residual risks .....</i>	<i>6</i>
<b>8</b>	<b>OPERATION .....</b>	<b>6</b>
<b>8.1</b>	<i>Charging the battery (fig. 1) .....</i>	<i>6</i>
<b>8.2</b>	<i>Positioning and removing a drill or screw bit (fig. 2) .....</i>	<i>7</i>
<b>8.3</b>	<i>Forward/reverse switch .....</i>	<i>7</i>
<b>8.4</b>	<i>Adjusting the torque .....</i>	<i>7</i>
<b>8.5</b>	<i>Switching on and off .....</i>	<i>7</i>
<b>8.6</b>	<i>Variable speed .....</i>	<i>7</i>
<b>8.7</b>	<i>Lower/higher speed selecting .....</i>	<i>7</i>
<b>9</b>	<b>CLEANING AND MAINTENANCE .....</b>	<b>7</b>
<b>9.1</b>	<i>Cleaning .....</i>	<i>7</i>
<b>10</b>	<b>TECHNICAL DATA .....</b>	<b>8</b>
<b>11</b>	<b>NOISE .....</b>	<b>8</b>
<b>12</b>	<b>SERVICE DEPARTMENT .....</b>	<b>8</b>
<b>13</b>	<b>STORAGE .....</b>	<b>8</b>
<b>14</b>	<b>WARRANTY .....</b>	<b>8</b>
<b>15</b>	<b>ENVIRONMENT .....</b>	<b>9</b>

16 BATTERY PACK ..... 9

17 DECLARATION OF CONFORMITY ..... 10

# POWERPLUS

## DRILL/ SCREWDRIVER 18V

### POWC1070

POWC1070

EN

### 1 APPLICATION

Your rechargeable drill/screwdriver has been designed for drilling in wood, metal and plastics and for screw driving applications. It is not designed for commercial use.



**WARNING! For your own safety, read this manual and the general safety instructions carefully before using the appliance. Your power tool should only be given to other users together with these instructions.**

### 2 DESCRIPTION (FIG A)

- |                             |                           |
|-----------------------------|---------------------------|
| 1. On/off switch            | 5. Battery                |
| 2. Forward/reverse switch   | 6. Battery release button |
| 3. Torque adjustment collar | 7. LED light              |
| 4. Keyless Chuck 10mm       | 8. Speed selector         |

### 3 PACKAGE CONTENT LIST

- Remove all packaging materials.
- Remove remaining packaging and packing inserts (if included).
- Check that the package contents are complete.
- Check the appliance, the power cord, the power plug and all accessories for transportation damage.
- Keep the packaging materials as far as possible until the end of the warranty period. Then take it to your local waste disposal system.



**WARNING Packaging materials are not toys! Children must not play with plastic bags! There is a danger of suffocation!**

1 x Machine  
1 x Charger

1 battery  
1 Manual



**If any parts are missing or damaged, please contact your dealer.**

### 4 SYMBOLS

The following symbols are used in this manual and/or on the machine:

	Denotes risk of personal injury or damage to the tool.		Read manual before use
	Mandatory use of eye protection.		Wear gloves
	In accordance with essential requirements of the European directive(s)		

## 5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to heed warnings and follow instructions may result in electric shock, fire and/or serious injury. Keep safety warnings and instructions for future reference. The term "power tool" in the safety warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### 5.1 Working area

- Keep working area clean and well lit. Untidy and dark areas can lead to accidents.
- Do not operate power tools in potentially explosive surroundings, for example, in the presence of inflammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders at a distance when operating a power tool. Distractions can cause you to lose control of it.

### 5.2 Electrical safety



**Always check that the power supply corresponds to the voltage on the rating plate.**

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed power tools. Unmodified plugs and matching outlets will reduce the risk of a lethal electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, kitchen ranges and refrigerators. There is an increased risk of a lethal electric shock if your body is earthed.
- Do not expose power tools to rain or wet conditions. If water gets inside a power tool, it will increase the risk of a lethal electric shock.
- Do not damage the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of a lethal electric shock.
- When operating a power tool outdoors, use an extension cable suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of a lethal electric shock.
- If operating a power tool in a damp location is unavoidable, use a power supply protected by a residual current device (RCD). Using an RCD reduces the risk of a lethal electric shock.

### 5.3 Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when operating a power tool may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Using safety equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection whenever it is needed will reduce the risk of personal injury.
- Avoid accidental starts. Ensure the switch is in the off position before inserting the plug. Carrying power tools with your finger on the switch or plugging in power tools when the switch is in the on position makes accidents more likely.
- Remove any adjusting keys or spanners before turning on the power tool. A spanner or key left attached to a rotating part of the power tool may result in personal injury.
- Do not reach out too far. Keep your feet firmly on the ground at all times. This will enable you retain control over the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from the power tool. Loose clothes, jewellery or long hair can become entangled in the moving parts.

- If there are devices for connecting dust extraction and collection facilities, please ensure that they are attached and used correctly. Using such devices can reduce dust-related hazards.

#### **5.4 Power tool use and care**

- Do not expect the power tool to do more than it can. Use the correct power tool for what you want to do. A power tool will achieve better results and be safer if used in the context for which it was designed.
- Do not use the power tool if the switch cannot turn it on and off. A power tool with a broken switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store power tools, when not in use, out of the reach of children and do not allow people who are not familiar with the power tool or these instructions to operate it. Power tools are potentially dangerous in the hands of untrained users.
- Maintenance. Check for misalignment or jammed moving parts, breakages or any other feature that might affect the operation of the power tool. If it is damaged, the power tool must be repaired. Many accidents are caused by using poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- Use the power tool, accessories and cutting tools, etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work which needs to be done. Using a power tool in ways for which it was not intended can lead to potentially hazardous situations.

#### **5.5 Service**

- Your power tool should be serviced by a qualified specialist using only standard spare parts. This will ensure that it meets the required safety standards.

## **6 SPECIFIC SAFETY WARNINGS**

- Wear ear protectors when impact drilling. Exposure to noise can cause hearing loss.
- Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.
- Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

## **7 SCREWDRIVER SAFETY WARNING**

Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

### **7.1 Special Safety Instructions for Battery packet and Charger**

If under extreme conditions any electrolyte should escape from the battery, it's essential to avoid contact with skin. If electrolyte does come into contact with your skin, rinse it off with water. In the event of electrolyte contact with your eyes, it's essential to consult a doctor.

- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Before the use of the charger and the battery packet, read the instruction manual for it carefully.

- During the charge process, the current used should correspond to the current of the battery charger.
- Never let moisture, rain or splashed water reaches the charging location.
- The ambient temperature must not exceed 40oC. Never expose the device to direct insulation.
- Storage-battery packet, which are defective or damaged or can no longer be recharged, must be disposed of as hazardous waste. Hand them over at a special collection point. Never harm our environment. Do not throw unusable storage-battery packet away into the domestic waste, into fire or into water.
- If the electrical cable is damaged, the wire may only be replaced by the supplier or by his repair workshop. Have repairs carried out only by an authorized specialist only.
- Use only storage-battery packet, which have been produced by the original manufacturer.
- Always keep the surface of the charger free from dust and dirt.
- Insert the battery packet into the charger. Follow the guidelines provided concerning polarity.
- Always remove battery packet before working on the machine
- When the battery packet is outside the drill, cover the contacts to avoid short circuits (e.g. from tools)
- Do not throw batteries into water or fire, risk of explosion!
- Protect the battery packet from impacts, and don't open it.
- Never discharge the battery packet completely and recharge occasionally if not used for a prolonged period.

## 7.2 Residual risks

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Damage to lungs if an effective dust mask is not worn.
- Damage to hearing if effective hearing protection is not worn.
- Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.



**WARNING! This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.**

## 8 OPERATION

### 8.1 Charging the battery (fig. 1)

The battery (5) must be charged before first use. Only after several charge and discharge cycles the battery will attain full capacity.

- Remove the battery from the machine. (a)
- Connect the battery to the charger. (b)
- When the red indicator light is on, this means that the battery pack is being charged. Usually, it takes 3-5 hours to fully charge the battery. When the red indicator light switches off and the green indicator light switches on, this means that the battery pack is fully charged.
- Avoid short periods of charging. Only charge battery pack when fully empty.
- Adaptor, charger and battery pack will be warm when charging. This is normal.

**8.2 Positioning and removing a drill or screw bit (fig. 2)**

This tool is equipped with a keyless chuck.

- Open the chuck by turning the collar.
- Insert the drill or screw bit in the chuck.
- Close the chuck by firmly tightening the front collar (a) while holding the rear part (b) of the chuck with the other hand.
- In order to remove the drill or screw bit proceed in reverse order. Before positioning or removing a drill or screw bit always remove the battery from the machine.

**8.3 Forward/reverse switch**

- Push the forward/reverse switch (2) from right to left side to drill holes and fasten screws.
- Push the forward/reverse switch (2) from left to right side to loosen screws. Always wait until the motor has come to a complete standstill before changing the direction of rotation.

**8.4 Adjusting the torque**

This machine has been fitted with an adjustable coupling (17+1 pos) to limit the torque when tightening screws .

- Turn the adjustment collar (3) clockwise to reduce the torque and counterclockwise to increase the torque. The correct setting depends on the type and size of the screw and the work piece.
- In case of doubt, start with the lowest setting and increase the torque until you have reached the desired result.
- For drilling, turn the adjustment collar fully counterclockwise (to the drilling symbol).

**8.5 Switching on and off**

- To switch on the machine, press the on/off switch (1).
- To switch off the machine, release the on/off switch.

**8.6 Variable speed**

- Applying more pressure to the On/Off switch will increase the speed.
- Applying less pressure to the On/Off switch will decrease the speed.

**8.7 Lower/higher speed selecting**

- Lower speed: switch Speed convert button to position "1"
- Higher speed: switch Speed convert button to position "2"

**9 CLEANING AND MAINTENANCE**

**Attention !**Before performing any work on the equipment, pull the power plug.

**9.1 Cleaning**

- Keep the ventilation slots of the machine clean to prevent overheating of the engine.
- Regularly clean the machine housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.



**Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.**

**10 TECHNICAL DATA**

<b>Model</b>	<b>POWC1070</b>
Voltage / frequency charging unit	100-240V / 50Hz
Rated Voltage	18V
Rotation speed	0-400/0-1500 min-1
Torque positions	17+1
Max. drill capacity steel	10mm
Max. drill capacity wood	22mm
Charger time	3/5 hours
Battery capacity	1300 mAh
Battery type	Li-ion
Max. torque	25 Nm
Chuck type	Keyless chuck

**11 NOISE**

Noise emission values measured according to relevant standard. (K=3)

Acoustic pressure level LpA	85 dB(A)
Acoustic power level LwA	96 dB(A)



**ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).**

aw (Vibration)	Max 9,1 m/s <sup>2</sup>	K = 1,5 m/s <sup>2</sup>
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**12 SERVICE DEPARTMENT**

- Damaged switches must be replaced by our after-sales service department.
- If the connecting cable (or mains plug) is damaged, it must be replaced by a special connecting cable which is available from our service department. Replacement of the connecting cable should only be carried out by our service department (see last page) or by a qualified specialist (qualified electrician).

**13 STORAGE**

- Thoroughly clean the whole machine and its accessories.
- Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.
- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

**14 WARRANTY**

- This product is warranted as provided by law for a 24 -month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.

- Repairs may only be carried out by an authorized customer service center for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexpert assembly, lightning strike, erroneous net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.
- Your tool must be charged at least 1x per month to ensure optimal operation of this tool.
- Attention: When using Li-ion batteries, the battery must be first fully discharged and then fully recharged. Thus you will prevent possible capacity loss.

## 15 ENVIRONMENT



Should your appliance need replacement after extended use, do not dispose of it with the household refuse, but in an environmentally safe way.

Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

## 16 BATTERY PACK

This product contains Li-ion. To preserve natural resources, please recycle or dispose of batteries properly. Local, state or federal laws may prohibit disposal of Li-ion batteries in ordinary trash. Consult you local waste authority for information regarding available recycling and/or disposal options.

**17 DECLARATION OF CONFORMITY**

VARO N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,

Product: Drill/ Screwdriver

Trade mark: POWERplus

Model: POWC1070

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);

2014/30/EC

2006/42/EC

2011/65/EU

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN60745-1: 2009

EN60745-2-1: 2010

EN55014-1: 2006

EN55014-2: 1997

Keeper of the Technical Documentation : Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

A handwritten signature in black ink, appearing to read 'Philippe Vankerkhove', written over a horizontal line.

Philippe Vankerkhove  
Regulatory Affairs – Compliance Manager  
29/06/17