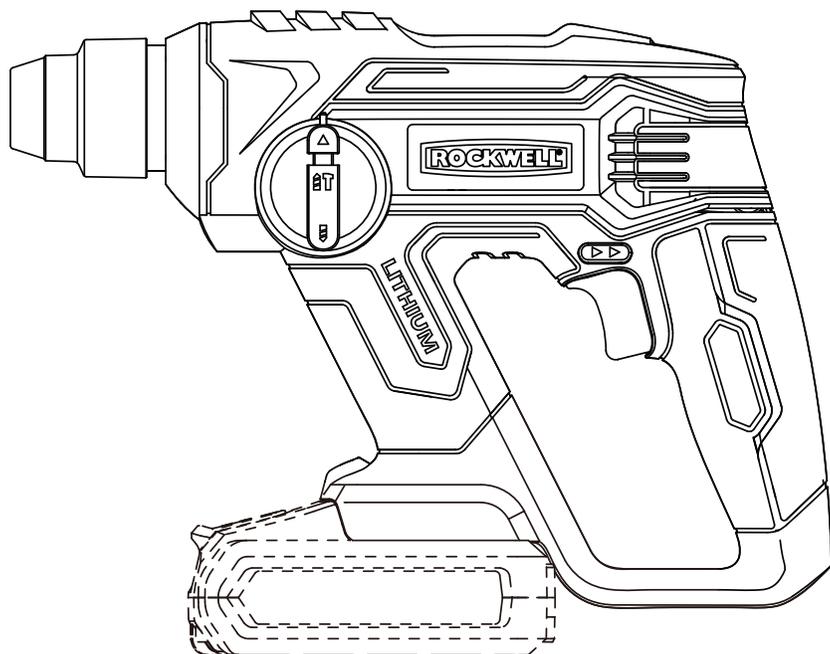


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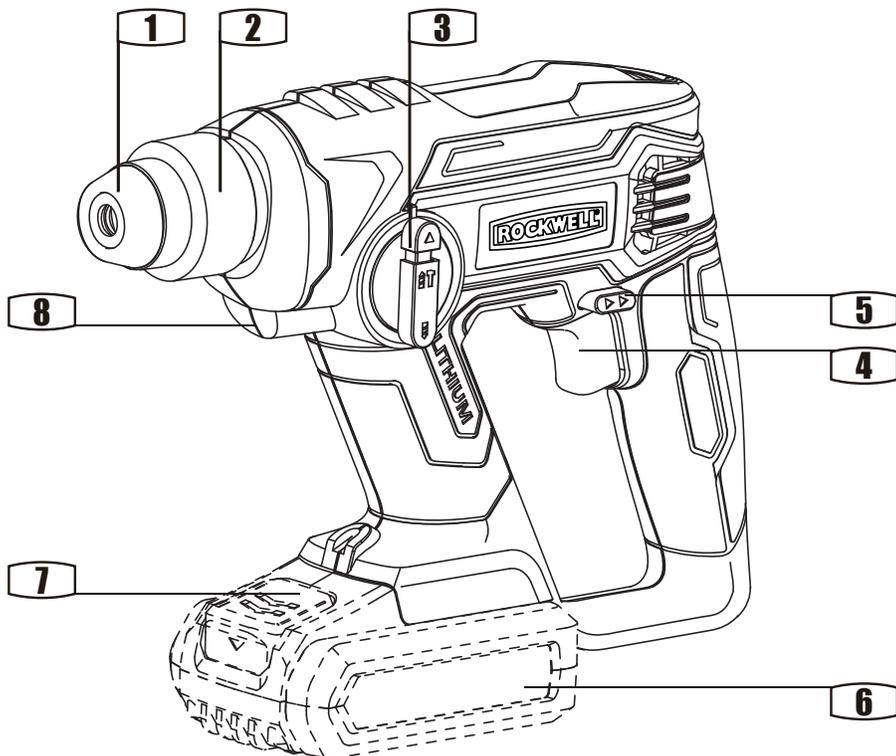


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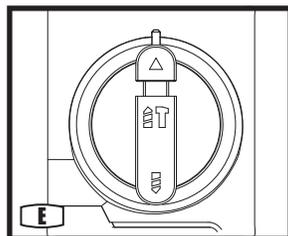
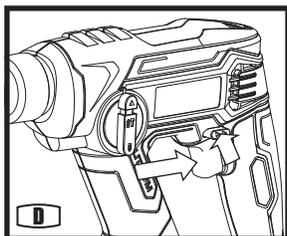
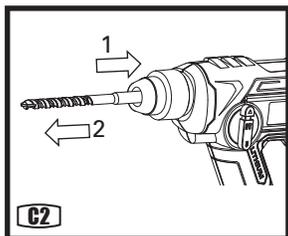
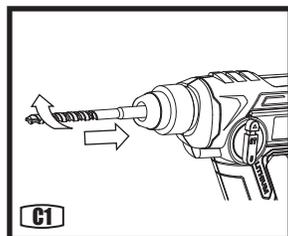
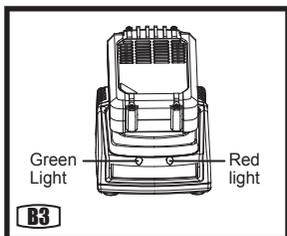
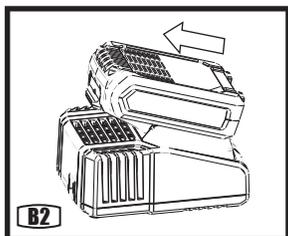
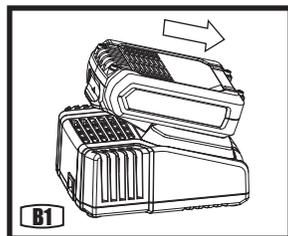
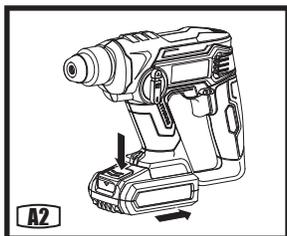
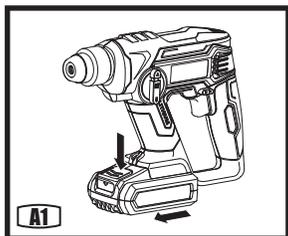
CORDLESS ROTARY HAMMER DRILL

EN

RD2990.9



RD2990.9



COMPONENT LIST

-
- 1 DUST PROTECTION CAP**

 - 2 TOOL HOLDER LOCKING SLEEVE**

 - 3 FUNCTION MODE SELECTION SWITCH**

 - 4 ON/OFF SWITCH (WITH VARIABLE SPEED CONTROL)**

 - 5 FORWARD AND REVERSE ROTATION CONTROL**

 - 6 BATTERY PACK***

 - 7 BATTERY PACK RELEASE BUTTON***

 - 8 LED LIGHT**
-

*Not all the accessories illustrated or described are included in standard delivery.

ACCESSORIES

SDS to 6.35mm Hex adaptor	1
Screwdriver bits (PH2*50mm,PZ1*50mm,PZ2*50mm, Slotted*5.5mm*50mm)	4
SDS drill bits (6mm,8mm)	2
HSS drill bits (5mm,6mm)	2

We recommend that you purchase your accessories from the same store that sold you the tool. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

GENERAL POWER TOOL SAFETY WARNINGS

 **WARNING! Read all safety warnings and all instructions.** Failure to follow the warnings and instructions 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 your mains-operated (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 earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or 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
- 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 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, clothing and gloves 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 these devices can reduce dust-related hazards.

4) Power tool use and care

- a) **Do not force the power tool. 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 the battery pack 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. 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.

5) Battery tool use and care

- a) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of 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, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

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.

ADDITIONAL SAFETY POINTS FOR YOUR HAMMER

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

SAFETY WARNINGS FOR BATTERY PACK

- a) **Do not dismantle, open or shred cells or battery pack.**
- b) **Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** 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.
- c) **Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- d) **Do not subject battery pack to mechanical shock.**
- e) **In the event of battery leaking, do not allow the**

liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.

- f) Seek medical advice immediately if a cell or battery pack has been swallowed.
- g) Keep battery pack clean and dry.
- h) Wipe the battery pack terminals with a clean dry cloth if they become dirty.
- i) Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.
- j) Do not maintain battery pack on charge when not in use.
- k) After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
- l) Battery pack gives its best performance when it is operated at normal room temperature (20 °C ± 5 °C).
- m) When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
- n) Recharge only with the charger specified by POSITEC. Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- o) Do not use any battery pack which is not designed for use with the equipment.
- p) Keep battery pack out of the reach of children.
- q) Retain the original product literature for future reference.
- r) Remove the battery from the equipment when not in use.
- s) Dispose of properly.

GENERAL SAFETY WARNINGS

⚠ WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

- This appliance is not intended for use by persons (including children) 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.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR BATTERY CHARGER

1. Before charging, read the instructions.
2. For charge Li-ion battery pack only.
3. Do not charge a leaking battery.
4. Do not use chargers for works other than those for which they are designed.
5. Before charging, ensure your charger is matching the local AC supply.
6. The charging device must be protected from moisture.
7. Do not use the charging device in the open.
8. Do not short out the contacts of battery or charger.
9. Respect the polarity “+/-“ when charging.
10. Do not open the unit and keep out of the reach of children.
11. Do not charge the batteries of other manufactures or ill-suited models.
12. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
13. Keep battery charger's slots are free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
14. When charging batteries, ensure that the battery charger is in a well-ventilated area and away

from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.

- 15. Do not recharge non-rechargeable batteries, as they can overheat and break.
- 16. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4.5°C, or above 40.5°C. This is important as it can prevent serious damage to the battery pack.
- 17. Charge only battery pack of the same model provided by POSITEC and of models recommended by POSITEC

SYMBOLS



To reduce the risk of injury, user must read instruction manual



Wear ear protection



Wear eye protection



Wear dust mask



RCM marking



Li-Ion

Li-Ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.



Li-Ion



Do not burn



Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.



For indoor use only



Read the operator's manual.



T 2A

Fuse (ACG318W, ACG218W2)



T 3.15A

Fuse (ACG118W, ACG15G25)



Positive terminal



Negative terminal

ABN: Australian Business Number. By this number, business information such as entity type, status, business location etc. can be found at website <http://abr.business.gov.au>. ABN of Positec Australia Pty Limited is 14 101 682 357

TECHNICAL DATA

Type RD2990.9(RD-designation of machinery, representative of rotary hammer)

Voltage		18V ---
No load speed		0-850 /min
Impact rate		0-4800/min
Impact energy		1.3J
Max. drilling capacity	Steel	10 mm
	Wood	16 mm
	Concrete	13mm
Machine weight		1.2 kg
Charger Input (ACG18G25)		100-240V~50/60Hz, 37W
Charger Output (ACG18G25)		20V 1.5A
Battery pack(ABP118W2)		2.0 Ah Li-ion
Battery pack(ABP218W4)		4.0 Ah Li-ion

The accessories of battery charger (ACG18G25) and battery pack (ABP118W2/ ABP218W4) illustrated or described are not included in RD2990.9 delivery.

OPERATING INSTRUCTIONS



NOTE: Before using the tool, read the instruction book carefully.

Intended Use

The machine is intended for hammer drilling in concrete, brick and stone. It is also suitable for drilling without impact in wood, metal, ceramic and plastic. Any other use is deemed to be a case of misuse.

BEFORE PUTTING INTO OPERATION

A) TO REMOVE THE BATTERY PACK (SEE FIG A1)

Depress the Battery Pack Release Button (7) firmly first and then slide the Battery Pack out from your tool.

B) TO INSTALL THE BATTERY PACK (SEE FIG A2)

Slide the fully charged Battery Pack onto the tool with sufficient force until it clicks into position.

CHARGER(ACG18G25)

CHARGING YOUR BATTERY PACK (See Fig. B1 , B2 ,B3)

Do not use any charger other than that specifically provided for use with the equipment.

If the battery pack is very hot you must remove your battery pack from the charger and allow time for the battery to cool down before recharging.

Please charge the battery to reach full before storage.

If the tool will not be used for long periods of time, charge the battery every 3 months.

CHARGING PROCEDURE

- 1) Plug the charger into an appropriate outlet. The light will be green.
- 2) Slide the battery pack into the charger, make sure the battery is in the correct charge position firmly. the light will turn to red to indicate the charging process has started.
- 3) When charging is completed, the light will turn to green.
- 4) After fully charged, unplug the charger and remove the battery pack.

NOTE:

If the battery pack is locked in the charger, press the battery pack release button and remove it.



WARNING! When battery charge runs out after continuously use or exposure to direct sunlight or heat, allow time for the tool to cool down before re-charging to achieve the full charge.

Light	ON/OFF flash	Status
Red on 		Charging
Green on 		Fully Charged

The accessories of battery charger (ACG18G25) and battery pack (ABP118W2 / ABP218W4) illustrated or described are not included in RD2990.9 delivery.

OPERATION

1. INSERTING AND REMOVING DRILL BIT IN SDS

Take care that the dust protection cap (1) is not damaged when changing tools.

— INSERTING (See FIG. C1)

Clean and lightly oil the bit before inserting. Insert the dust-free bit into the bit holder with a twisting motion until it latches.

The bit locks itself. Check the locking by pulling on the tool.

— REMOVING (See FIG. C2)

Retract back the bit holder locking sleeve (2) and pull out the bit.

WARNING! Your new Rotary Hammer generates powerful forces to get your job done quickly and effectively. These forces may cause inferior quality SDS bits to break and jam in the chuck. We therefore recommend that only high quality SDS bits be used with this tool.

2. ON/OFF SWITCH WITH VARIABLE SPEED CONTROL (See D)

Depress to start and release to stop your tool. This tool has a variable speed switch (4) that delivers higher speeds with increased trigger pressure - speed is controlled by varying the pressure applied to the switch.

3. SWITCH LOCK

The switch trigger can be locked in the OFF position. This helps to reduce the possibility of accidental starting when not in use. To lock the switch trigger, place the direction of rotation control in the center position.

4. FORWARD AND REVERSE ROTATION CONTROL (See FIG. D)

With the drill pointing away from you, push the forward/reverse-lever to the left “◀◀” for forward rotation. Push the forward/reverse-lever to the right for reverse rotation “▶▶”.

WARNING! Never change the direction of rotation while the tool is rotating, wait until it has stopped.

5. FUNCTION MODE SELECTION (See FIG. E)

The operation of the gearbox for each application is set with the function mode selection switch(3). To change between functions, depress the unlocking button and rotate the selector to the desired operating mode.

	For simultaneous drilling and impacting of concrete or masonry, choose the Hammer drilling position.
	For screw driving, drilling into steel, wood and plastics choose the Rotary drilling position.

WARNING! The operating mode selector switch may be actuated only at a standstill.

WORKING HINTS FOR YOUR TOOL

If your power tool becomes over heated, set the speed to maximum and run no load for 2-3 minutes to cool the motor. SDS-plus tungsten carbide drill bits should always be used for concrete and masonry.

When drilling in metal, only use HSS drill bits in good condition. Where possible use a pilot hole before drilling a large diameter hole.

pack for a prolonged time will reduce the battery pack working time. This can be corrected after several charge and discharge operations by charging & working with your drill. Heavy working conditions such as large screws into hard wood will use up the battery pack energy faster than lighter working conditions. Do not re-charge your battery pack below 0°C and above 30°C as this will affect performance.

PROBLEM SOLUTION

1. WHY YOUR DRILL SUDDENLY STOPS WHEN WORKING.

- a) They run at full power until they need charging. So if your tool suddenly stops check your battery first. The Li-ion battery is protected against deep discharging by the "Discharging Protection System". When the battery is empty, the machine is switched off by means of a protective circuit, and the drill bit will be stop working.
- b) Overload protection. When overloaded, the motor comes to a stop. Relieve the load on the machine immediately and allow cooling for approx. 30 seconds at the highest no-load speed.
- c) High temperature of the tool or battery. When the load is too high or the allowable battery temperature of 75°C is exceeded, the electronic control switches off the power tool until the temperature is in the optimum temperature range again.

2. REASONS FOR DIFFERENT CHARGING TIMES

Your charge time can be affected by many reasons which are not defects in your product. If the battery pack is only partly discharged it may be re-charged in less than 1 hour. If the battery pack and ambient temperature are very cold then re-charging may take 1-1.5 hours. If the battery pack is very hot it will not re-charge because the internal temperature safety cutout will prevent it. If the battery pack is very hot you must remove your battery pack from the charger and allow your battery pack to cool first to ambient temperature and then recharging can be started. If you charge a second battery pack immediately after the first then the charger can be overheated. Always allow at least 15 minutes rest between battery pack charging.

3. REASONS FOR DIFFERENT BATTERY PACK WORKING TIMES

Charging time problems, having not used a battery

MAINTENANCE

Remove the battery pack from the tool before carrying out any adjustment, servicing or maintenance. Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.



POSITEC AUSTRALIA PTY LTD
ABN 14 101 682 357

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