

RITE-POWER

615 PORTABLE BATTERY POWERED GENERATOR

300W 110V / 230V

Operator's Manual



Product Resources

This manual covers the Rite-Power 615 with the following product codes:
SLK310BP2/300/230/AMF100/TE-F | SLK310BP2/300/230/AMF100/T60309
SLK310BP2/300/110/AMF100/T60309 | SLK310BP2/300/110/T60309

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IMPORTANT INFORMATION ABOUT YOUR RITE-POWER 615 PORTABLE BATTERY POWERED GENERATOR

Use this page to record important information about your RITE-POWER 615 unit.

| | |
|-------------------------------|--|
| UNIT PRODUCT REFERENCE | |
| UNIT SERIAL NUMBER | |

This information can be found on your RITE-POWER 615 data plate which is found next to the mains outlet socket on the side of the units.

NOTE: Below is an example of a RITE-POWER 615 data plate.

RITELITE (SYSTEMS) LTD

| | | | |
|---|--|------------------|-------|
| RITE-POWER 615 PORTABLE BATTERY POWERED GENERATOR | | | |
| PRODUCT CODE | SLK310BP2/300 | | |
| OUTPUT VOLTAGE | 230V AC 50Hz | | |
| MAX CONTINUOUS OUTPUT POWER | 300W | | |
| IP RATING | IP65 | MANUFACTURE DATE | |
| DIMENSIONS | 390mm (L) x 310mm (W) x 170mm (H) (EXCLUDING SOCKETS) | WEIGHT | 8.5Kg |
| SERIAL NUMBER | | | |

Made in the UK

Product contains a lithium battery which must be disposed of correctly
 Ritelite (Systems) Ltd, Meadow Park, Bourne Road, Essendine, Stamford, Lincolnshire, PE9 4LT, England
 Tel. +44 (0) 1780 758585 | E-mail. sales@ritelite.co.uk | Web. www.ritelite.co.uk

You will be required to supply the products serial number when contacting Ritelite (Systems) Ltd or one of Ritelite's approved dealers about parts and service.

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Section 1: INTRODUCTION & APPLICATIONS FOR USE

The RITE-POWER 615 is designed as an industrial portable power generator supplying continuous AC mains power up to 300W for equipment requiring 230V AC 50Hz or 110V 60Hz, depending on model chosen. It has the added feature of a built-in charger *with a mains input and a changeover relay that allows power from the mains to pass through to a load whilst keeping the battery charged, then if the mains fails the system can support the load (if within the compatibility of the inverter) automatically for a duration dependant on load.

It uses a bespoke Lithium Ion (615W/h) battery with a dedicated battery management system to supply a pure sine wave inverter producing a clean reliable supply powering most compatible equipment up to 300W.

It is housed in a ruggedised waterproof IP65 case with industrial input and output sockets for charging and discharging of the unit. In addition, a display on the front of the case indicates run times based on the current load, recharge time based on the in-built charger and other information pertaining to the battery voltage, current, state of charge and capacity. A single switch turns the system on and off and contains a red warning LED to indicate any fault conditions including low battery supply, over temperature, overload and short circuit.

All users must read, understand and obey any instructions and information contained herein these operating instructions before use. Only trained or competent personnel should use the RITE-POWER 615.

This Manual should always stay with the RITE-POWER 615.

APPLICATIONS FOR USE

The RITE-POWER 615 is designed for use in the following applications only. It should not be used for any other purpose. If in any doubt about applications for use, please contact either Ritelite (Systems) Ltd or Ritelite (Systems) Ltd's distributor for more information.

- Powering resistive load equipment up to a max continuous load of 300W.
- Powering capacitive load equipment up to a max continuous load of 300W.
- Avoid powering Inductive loads (Items with motors in) or limit their load to 60W max.

Note: *Some loads may fail to run at all from the RITE-POWER Generator or cause the inverter system within the generator to behave abnormally causing it to shut down, if this happens disconnect the load and don't attempt to retry.*



WARNING

Failure to follow the instructions and safety rules in this manual may result in death or serious injury.




* Subject to model type

Section 2: SAFETY RULES

It is important that every user understands and observes the safety rules before setting up or using the RITE-POWER 615 Portable Battery Powered Generator.

The Manufacturer, Ritelite (Systems) Ltd cannot anticipate every possible circumstance that might involve a hazard. The warnings in this manual and on labels affixed to the RITE-POWER 615 will therefore not cover every eventuality. If using a procedure or operating method not specifically recommended by the manufacturer then the user must verify that it is safe for others and that it does not make the equipment unsafe.

Throughout this manual and on labels on the RITE-POWER 615, DANGER, WARNING and CAUTION blocks are sometimes used to alert personnel to special instructions about a particular operation that may be hazardous if performed incorrectly or carelessly. Observe them carefully. Their definitions are as follows:

|  DANGER |  WARNING |  CAUTION |
|---|--|--|
| Indicates a hazardous situation which, if not avoided, will result in death or serious injury. | Indicates a hazardous situation which, if not avoided, could result in death or serious injury. | Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. |

These safety alerts cannot eliminate the hazards that they indicate. Common sense and strict compliance with the instructions within this manual are essential to preventing accidents.

WARNING

When using the RITE-POWER 615 indoors or outdoors, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury including the following:

- a) Ensure the IP rating of the connecting plug to coupler application is suitable for the prevailing conditions.
- b) Read and understand the implications from the MSDS (Material Safety Data Sheet) for the product, for both use and transport/ shipping. The MSDS can be viewed the following link or by scanning the QR code on the right:
<https://ritelite.co.uk/product-resources/rite-power/>
- c) Do NOT allow the RITE-POWER 615 to become submersed under water or allow any liquid to enter inside the product.
- d) Use only with an extension cord appropriate for outdoor use.
- e) Do NOT use damaged cables or connectors.
- f) All cables and equipment must be double insulated.



GENERAL SAFETY RULES & POTENTIAL HAZARDS WHEN SETTING UP AND USING THE RITE-POWER 615 PORTABLE BATTERY POWERED GENERATOR

FALL HAZARDS

- Do NOT place the RITE-POWER 615 anywhere it could fall on to personnel.
- Do NOT stand on the RITE-POWER 615 or use it as any form of step.

TIP OVER HAZARDS

- Where ground or the area is uneven place the RITE-POWER 615 on its base to ensure it can't fall over.
- Prior to setting up check the area for any possible hazardous conditions.
- Do NOT place ladders or scaffolding against any part of the RITE-POWER 615.
- Do NOT use the RITE-POWER 615 on a moving or mobile surface without strapping it down to prevent unexpected movement.

- Use the integrated handles to safely carry/move the RITE-POWER 615.
- Do NOT use the RITE-POWER 615 for any purpose other than that for which it is designed.

ELECTROCUTION HAZARDS

- Do NOT allow the inside of the RITE-POWER 615 to come into contact with water or any other liquids.
- Ensure the RITE-POWER 615 is not being set up in a potentially explosive environment – the RITE-POWER 615 is not an ATEX approved product.
- The RITE-POWER 615 is not designed to be submersed under water.
- Do NOT use if any parts become significantly damaged which may compromise the IP rating of the product.
- Do NOT use if any damage to the sockets on the product occurs.
- If any significant damage occurs the RITE-POWER 615 must be returned to Ritelite (systems) Ltd or one of its authorized dealers for repair.
- Do NOT use plugs or cables that are cut or damaged in any way.
- Do NOT connect the RITE-POWER 615 to any other mains supply system such as a grid or generator supply, it is not designed for grid tie systems, it will damage the unit.
- Do NOT allow minors or persons of reduced competency to use the RITE-POWER 615, it is NOT a toy.
- Do NOT connect the RITE-POWER 615 charger between its charge input and mains outlet sockets, it will damage the unit.

BODILY INJURY HAZARDS

- It is recommended that the user wears gloves whilst manoeuvring or connecting up the RITE-POWER 615.
- In slippery or uneven terrain, it is recommended that two people manoeuvre the product at all times.
- The RITE-POWER 615 is designed to be simple to operate by one person however there may be situations where it is recommended that two people manoeuvre the product.
- Do not manoeuvre the RITE-POWER 615 product for long distances in extreme temperatures.
- Where possible the RITE-POWER 615 should be set up away from personnel or moving vehicles.
- Be aware that the RITE-POWER 615 creates a mains electricity voltage and should therefore be treated as the same potential hazard.

CRUSHING HAZARDS

- Ensure the RITE-POWER 615 is set up on a firm and horizontal flat surface.
- Keep hands and fingers away from any potential pinch points.
- Never place the RITE-POWER 615 above personnel where it could fall on them.

COLLISION HAZARDS

- Use common sense and planning when transporting/carrying the RITE-POWER 615 on any incline or slope.
- On slippery or uneven terrain, it is recommended that more care and thought is taken for the conditions.
- Make sure when loading the RITE-POWER 615 into a vehicle or trolley that it is securely mounted/retained so it cannot fall off or move in such away that it could harm other items or personnel.

DAMAGED MACHINE HAZARDS

- Do NOT use a damaged RITE-POWER 615 or one that isn't working properly.
- Conduct a thorough pre-operation inspection prior to each use.
- Be sure that all labels are in place and legible.
- Do NOT use if there are any visible damaged parts. Contact your original point of purchase or Ritelite (Systems) Ltd to arrange for spares or repair options.
- Do NOT use any type of abrasive or strong chemicals to clean the RITE-POWER 615.
- Do NOT attempt to defeat / modify any of the wiring or protection fuses.

IMPROPER USE HAZARD

- Never leave an RITE-POWER 615 unattended unless a full risk assessment for the application it is being used for has been undertaken by a competent person. Unauthorized personnel could attempt to operate the RITE-POWER 615 without proper instruction potentially causing injury to themselves or others.
- The RITE-POWER 615 is to be used only for its prescribed purpose. Any use other than that mentioned is considered to be a case of misuse.
- The user/operator, and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.
- It is imperative to observe the local accident prevention regulations.
- The same applies for the general rules of occupational health and safety.
- The manufacturer is not liable for indirect consequential damage and financial loss.
- The manufacturer shall not be liable for any changes made to the device nor for any damage resulting from such changes.
- The RITE-POWER 615 is not designed to be setup/used on a live public highway.

Section 3: TECHNICAL SPECIFICATIONS

PHYSICAL

Weight: 8.5Kg

Overall Dimensions: 39cm (w) 31cm (d) 17cm (h)

Case Material: Lightweight NK-7 resin

Impact Resistance: ATA Spec 300 Cat1

Colour: Graphite Grey

Protection Class: IP65 - (Subject to socket covers and product lid being closed and latched accordingly).

Operating Ambient Temperature range: 0°C - +30°C

Recommended Storage Temperature: 0°C to +25°C

ELECTRICAL

Input 100-240v AC 50/60HZ 3A (depending on model selected) .

Charger requirements – 100-240V AC 50/60HZ – 140W Max

Inverter Output - 110V 60HZ 300W Max or 230V 50HZ 300W Max AC (depending on model selected)

Output voltage tolerance +/- 5% THD < 3%

Efficiency > 90%

Power Factor 0.99

Mains input and output socket – (Depending on model selected) CEE 110V 16A 3P IP67 Socket (Model SLK310BP2/300/230/AMF100/TE-F)

or

CEE 230V 16A 3P IP67 Inlet/Outlet Socket (SLK310BP2/300/230/AMF100/T60309)

or

SCHUKO Input/Outlet SOCKET 250V 16A 3P IP68 -F (Model SLK310BP2/300/110/AMF100/T60309)

CHARGING

In-built 8A 120W charging system that will recharge the battery from empty in 5-6 hours.

Charger requires mains cable connected to the input side of the RITE-POWER 615 with an input voltage of between 100-240V AC. This allows the unit to recharge the battery and at the same time allow a through feed of mains power to the outlet socket.

Note - Do not overload the outlet which should be restricted to 300W max continuous as per the inverter's maximum output.

PROTECTION SYSTEMS AND FAULT SIGNALLING

- Short Circuit Protection – The RITE-POWER 615 will shut down until the fault is removed, It will signal this by flashing the red LED continuously and a beeper will be heard.
- Overload Protection – The RITE-POWER 615 will shut down until the load is reduced. It will however allow small overloads up to 120% for short periods of time up to a minute. It will signal this by flashing the red LED continuously 5 times which will then be repeated and a beeper will be heard until the fault condition is removed.
- Over Temperature Protection – The RITE-POWER 615 will shut down until it has cooled sufficiently to allow it to function again. It will signal this by flashing the red LED continuously 4 times which will then be repeated and a beeper will be heard until the fault condition is removed.
- Low Battery Capacity – The RITE-POWER 615 will eventually shut down until the battery has been recharged sufficiently. It will signal this by flashing the red LED continuously and a beeper will be heard until the fault condition is removed.
- Low Battery Capacity Shut Off – The RITE-POWER 615 has shutdown due to insufficient battery capacity.
It will signal this by flashing the red LED continuously twice which will then be repeated and a beeper will be heard until the fault condition is removed.
- Over Voltage Protection – The RITE-POWER 615 will shutdown if the voltage from the battery/charger rises above a particular threshold, if this happens this would suggest a permanent fault in the charging system and the issue should be investigated by a competent person – please contact Ritelite (Systems) Ltd or its authorised distributor.
It will signal this by flashing the red LED continuously 3 times which will then be repeated and a beeper will be heard until the fault condition is removed.
- ***Note in most cases the inverter will automatically reset itself after a fault condition has been removed, in some cases it may be necessary to switch off then back on the power switch to reset the unit.***

Section 4: SETTING UP THE RITE-POWER 615

Inspect the proposed area for use.

An inspection of the proposed area in which to set up the RITE-POWER 615 is necessary to ensure it is suitable for safe operation. This inspection should be performed by the operator prior to using the RITE-POWER 615.

The area should be free from moving vehicles, machinery, pedestrians or other factors which may mean the RITE-POWER 615 could form a hazard.

Set the RITE-POWER 615 up in such a way that it cannot obstruct walkways or areas that form emergency exit routes.

Do not leave unattended if there is potential for minors or non-competent persons to tamper with the RITE-POWER 615 whilst in use.

WARNING

Operators should be aware of the following possible hazardous situations. The operator should also remember these hazards, watch and avoid them while moving, setting up and operating the RITE-POWER 615.

- **Forming a trip hazard**
- **Minors or non-competent persons**
- **Mains electricity at 110V AC or 230V AC (depending on model) is produced by this unit.**
- **Debris either on proposed site or on route to site**
- **Inadequate surface support to withstand the RITE-POWER 615 weight**
- **Water which could allow the RITE-POWER 615 to be submersed**
- **All other possible unsafe conditions**

Section 5: OPERATING INSTRUCTIONS

Do not use the RITE-POWER 615 for any purpose other than that for which it is designed – as a portable power pack.

If more than one operator is expected to set up or use a RITE-POWER 615 at different times, each operator is required to follow all safety rules and instructions in the operator’s manual. That means every new operator should perform a pre-operation inspection and function tests before using the unit.

5a) PRE-OPERATION INSPECTION

Always perform a pre-operation inspection.


The Pre-operation inspection is a visual inspection performed by the operator prior to each use of the RITE-POWER 615. This inspection is designed to discover if anything is obviously wrong with a unit prior to use.

A damaged or modified RITE-POWER 615 must never be used. If any damage is discovered the RITE-POWER 615 must be removed from service until it has been repaired.


Maintenance and repairs can be executed only by authorised personnel. If any person maintaining or repairing the device is in any doubt, they should contact their supplying dealer or Ritelite (Systems) Ltd.

Check the following parts or areas for any signs of damage or missing parts.

- Cables (for kinks, frays, abrasions, bare conductors showing)
- Plugs and Sockets for physical damage
- Catches and locking mechanisms.
- Make sure the case is free from cracks or areas of damage where water could enter
- Make sure all labels and warnings are present and readable on the product as detailed below.



CAUTION READ INSTRUCTIONS BEFORE USE
RISK OF ELECTRIC SHOCK





OUTPUT
230V AC 50Hz
Max continuous output 300W

INPUT
230V AC 50Hz
Max 500W

RITELITE (SYSTEMS) LTD

RITEPOWER 615 PORTABLE BATTERY POWERED GENERATOR

| | | | |
|-----------------------------|---|------------------|-------|
| PRODUCT CODE | SLK310BP2/300 | | |
| OUTPUT VOLTAGE | 230V AC 50Hz | | |
| MAX CONTINUOUS OUTPUT POWER | 300W | | |
| IP RATING | IP65 | MANUFACTURE DATE | |
| DIMENSIONS | 330mm (L) x 330mm (W) x 170mm (H) (EXCLUDING SOCKETS) | WEIGHT | 8.5kg |
| SERIAL NUMBER |   | | |

Product contains a lithium battery which must be disposed of correctly

Ritelite (Systems) Ltd, Headley Park, Broom Road, Emsayle, Dunfermline, Fife, KY11 6JL, Scotland
Tel: +44 (0) 1592 755883 | Email: sales@ritelite.co.uk | Web: www.ritelite.co.uk

INSTRUCTIONS


CHECK VOLTAGE OF LOAD IS COMPATIBLE WITH INVERTER OUTPUT

1. Connect load to output not exceeding 300W (subject to load type).
2. Connect power to input to pass through to load and / or recharge battery.
3. Press green button to activate inverter - when power to input is removed the inverter will then automatically support the load if within 300W (subject to load type).
4. Display will show:
 - ▼ Battery state of charge in percentage
 - ▼ Estimated run-time based on load
 - ▼ Estimated recharge time to full based on progress of charging.


Note: Display lights up to show when power is being drawn. Display light blinks when charging.

5. Red LED flashes on switch to indicate battery low or fault condition: none of these can be reset other than removal - see manual for further information.

WARNING: Hazardous voltage, potential shock hazard. No user serviceable parts inside. Contact manufacturer for service or repair. Do not use / place in direct sunlight.




PRODUCT INFO



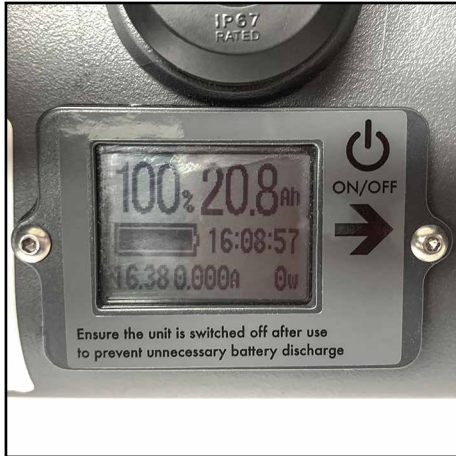
ON/OFF

Ensure the unit is switched off after use to prevent unnecessary battery discharge



5b) USING THE RITE-POWER 615

Chose a suitable location, heeding the warnings in sections 4 & 5 of this manual.



1. Check there is sufficient battery capacity for the task in hand, this is indicated by the display on the front of the unit showing the battery capacity in a percentage, where 100% is full capacity.



2. If necessary, recharge the RITE-POWER 615. As a point of note it is good practice to always recharge the unit to full after every use.

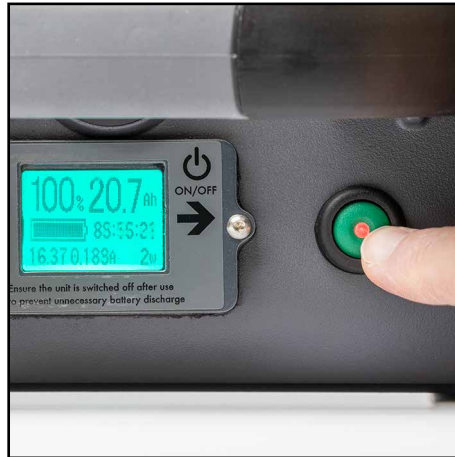


3. Make sure the RITE-POWER 615 is switched off via the button next to the display. The display will automatically light up when the unit is switched on and go dark when the unit is switched off to conserve power when not in use.



4. Make connections to the mains output socket at the side of the RITE-POWER 615. Making sure the output voltage of the RITE-POWER 615 is within the constraints of the equipment to be powered from it.

5. Check the device to be powered is within the maximum constraints of the RITE-POWER 615, see technical specifications contained within this manual and on the RITE-POWER 615. Heed the notes in the section Applications and Restrictions of use with regard to Inductive, Resistive and capacitive loads and their limitations.



6. Once everything is connected press the power on button. The display will light up and a red LED should light in the middle of the switch to indicate that mains power is on and everything is ok.



7. Note the estimated run time on the display, this will vary according to the load driven by the RITE-POWER 615. In the example here the display indicates 6 hours, 35 minutes remaining at the current power drawn.

SYSTEM ENERGY MONITOR KEY

1. State of charge
2. Battery voltage (V)
3. Current draw (A)
4. Wattage (W)
5. Estimated run / recharge time
6. Battery capacity (Ah)

The display also shows various other parameters such as wattage, this can be a useful gauge to understand what different powers are consumed by different equipment and the runtime that might be expected.



8. Certain equipment such as some lighting can be dimmed, this can be useful to extend the runtime required while still potentially providing enough light for the task in hand.



9. In use note the fall of the battery capacity so power isn't suddenly lost unexpectedly. Once the RITE-POWER 615 gets towards the end of the available capacity a beeping will be heard from the unit and the red LED in the middle of the switch will flash to denote the low power level, depending on the size of the load being drawn will dictate how soon until the load is then switched off.



10. Once the load has been switched off from the depleted power pack the switch should be pressed to switch the system off and the pack placed on charge as soon as possible.

5c) RECHARGING THE RITE-POWER 615

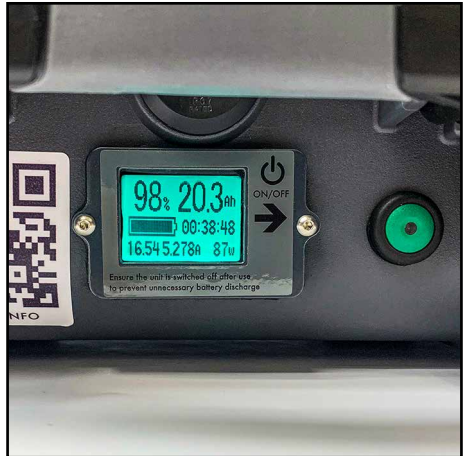


1. The RITE-POWER 615 should be placed on charge to return it to full capacity once used. Choose a suitable location to recharge the unit away from any aforementioned hazards. Ideally the RITE-POWER 615 should be charged in a cool ventilated environment.

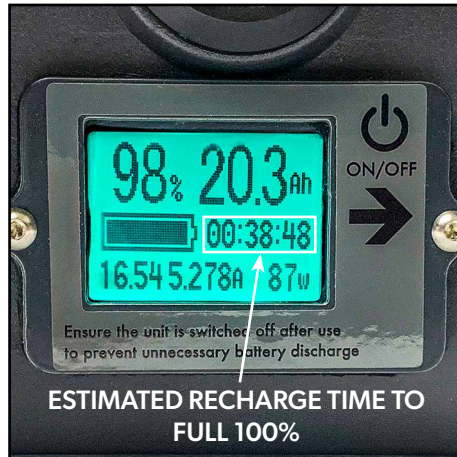
Note – It is good practice to always keep the RITE-POWER generator fully charged up so it is always ready for use.



2. Plug the RITE-POWER 615 into a suitable outlet via its supplied mains cable.



3. After the mains has been connected the charger will start and the back light on the display on the RITE-POWER 615 will start to pulse, energy will be shown flowing in.



5. Check the display on the RITE-POWER 615, once the charger is connected and everything is ok the display will blink slowly as energy flows into the battery to recharge it. You can monitor progress on the display, the capacity percentage will gradually rise as will the capacity in AH and the voltage. The run time display will now show an estimated time to complete the charge process. You may notice the energy go in slowly to start with, this depends on the state of discharge of the battery.



6. Once the display shows 100% the power pack is fully recharged, if not being used in mains pass through or emergency mode* the mains supply can be switched off and disconnected from the power pack. Make sure the power pack is always switched off via the button next to the display when not in use to prevent any unnecessary discharge.

* Subject to model type

5d) PACKING AWAY & TRANSPORT



In slippery or uneven terrain take care when carrying the RITE-POWER 615 seek help as required.

TRANSPORT AND LIFTING INSTRUCTIONS

- The transport vehicle/trolley must be parked on a level surface.
- The transport vehicle/trolley must be secured to prevent rolling while the RITE-POWER 615 is being loaded.
- Be sure the vehicle/trolley capacity, loading surfaces/storage area and chains or straps are sufficient to withstand the RITE-POWER 615 weight. See the data plate on the RITE-POWER 615 components for their exact weight.
- The RITE-POWER 615 must be secured when transported in any vehicles with straps of ample load capacity.
- The RITE-POWER 615 Must NOT be transported within the passenger area of any vehicle.
- Observe the specific transport requirements and check the MSDS (Material Safety Data Sheet) when transporting the product by vehicle. This is available online at the following link: <https://ritelite.co.uk/product-resources/rite-power/> or by scanning the following QR code:



At this link the SLK310BP2 MSDS covers all units in this manual.

5e) STORAGE / TRANSPORT MODE

When planning to not use the RITE-POWER 615 make sure it is fully charged and the power button is switched off so the unit doesn't discharge unnecessarily in storage.

Check the unit every three months for its state of charge and recharge as required.

- Always store the unit in a secure location away from minors or persons of reduced competency, it is NOT a toy.
- Always store in a cool, dry location.

Section 6: TROUBLESHOOTING

The following notes are here for help and guidance to get the best from your RITE-POWER 615. They describe possible errors/faults, what might cause them and how they are rectified.

| FAULT / ERROR | SOLUTION |
|--|--|
| No mains output from the unit | Check the mains connections and fuses to and from the RITE-POWER 615, check the equipment to be powered is switched on, checked the equipment to be switched on works from another mains source |
| No mains output from the unit | Check unit is switched on via switch on the front next to the display. Display should be lit up to show system is on. |
| No mains output from the unit. Display is lit up to show the system is on. | Check to see if the red LED is lit in the centre of the switch. If the red LED is flashing continuously then check the capacity on the display shows higher than 0%, if not, recharge the battery. |
| No mains output from the unit. Red LED flashes continuously. There is capacity in the battery. | Check the output isn't short circuited – disconnect the mains output plug, turn the RITE-POWER 615 off then on and check the red fault LED isn't flashing. Have repaired the cable/equipment causing the short circuit. |
| No mains output from the unit. Red LED flashes 5 times. There is capacity in the battery. | Check the output isn't overloaded – disconnect the mains output plug or reduce the load on the output, turn the RITE-POWER 615 off then on and check the red fault LED isn't flashing and mains power is restored. |
| No mains output from the unit. Red LED flashes 4 times. There is capacity in the battery. | Check the RITE-POWER 615 isn't too hot – it will automatically shut down if temperatures rise beyond the allowed thresholds of the inverter contained within to protect from permanent damage. Once cooled the RITE-POWER 615 will allow mains power to be restored. Switch the unit off then on to reset it. Should the problem persist the RITE-POWER 615 should be moved to a cooler environment and/or the load should be reduced. |
| * No mains output from the unit. | Note the RITE-POWER 615 has a mains pass through system with a change-over relay. To check if mains inbound is present the LED indicator lights on the charger inside the unit will light. |
| The display is blank, no red LED flashing indicating a fault. | Check the RITE-POWER 615 isn't over discharged, plug the unit in to the mains to recover and recharge the battery. |
| The display is blank, no red LED flashing indicating a fault. | Check the RITE-POWER 615 isn't too hot or too cold- it will automatically shut down if temperatures are beyond the allowed thresholds of the battery contained within to protect from permanent damage. Once within the thresholds the RITE-POWER 615 will automatically reboot the system and can be operated as normal. Should the problem persist the RITE-POWER 615 should be moved to a cooler or warmer environment as required. |

See page 12 for protection systems and fault signalling.

Note: The battery should always be recharged fully after every use.

The system should always be powered off after every use via the button on the front of the unit. Although the inverter will automatically shut down once a low battery voltage is detected there is still a small parasitic load from the system which will eventually discharge the battery in time if it's not subsequently recharged.

* Subject to model type

| FAULT / ERROR | SOLUTION |
|---|---|
| <p>The charger doesn't appear to be recharging the battery.</p> | <p>The charger lights are on (amber and green alternate flashing) but the capacity display on the battery pack shows no energy going in to recharge the battery. The most likely cause is the battery is too hot, this can be due to high ambient temperatures or from just trying to recharge the unit straight after heavy use when in high ambient temperatures. To rectify, move unit to a cooler location or allow unit to cool and the system will automatically start charging once temperatures around the battery have fallen to below 40°C. As temperature has a huge affect on the continued performance, safety and longevity of the Lithium batteries contained within your RITE-POWER 615 there are numerous protection systems incorporated within the unit to make sure of its long and trouble free use.</p> |

Section 7: MAINTENANCE

- It is recommended that a regular inspection of the complete product is carried out to look for signs of wear and tear and identify possible maintenance required. This should be done by a competent person on at least an annual basis depending on severity and types of use.
- It is recommended that gloves are worn during operation/setting up, breaking down, cleaning and maintenance to protect the user.
- Never allow the inside of the RITE-POWER 615 to become wet, it will damage the electronics and battery pack contained within. If any wetness is discovered the unit must NOT be switched on under any circumstance and the manufacturer Ritelite (Systems) Ltd or its authorised dealer must be contacted for guidance with regards to repair.
- All fasteners, locking mechanisms and latches to be checked for correct operation prior to use.
- Any damaged parts that could pose a risk to the user/personnel must be replaced.
- The RITE-POWER 615 must be taken out of service if, during use, or repair and maintenance serious damage is discovered.
- The RITE-POWER 615 can only be put back into use after it has been properly repaired and examined and signed off by authorised personnel.
- The use of spares other than original parts from Ritelite (Systems) Ltd will invalidate any warranty.

7a) ADVICE ON DISPOSAL OF RITELITE PRODUCTS AT END OF LIFE

For our latest advice on the disposal of Ritelite products at end of life please visit the link below.
<https://www.ritelite.co.uk/disposal-advice>

7b) DISCLAIMER OF WARRANTY

For details about the warranty offered on Ritelite products please visit the link below.
<https://www.ritelite.co.uk/warranty-information>



The contents of this manual are subject to change without prior notice. We take no responsibility for errors or admissions.

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