INTRODUCTION

IMPORTANT: Please read this manual before operating the washing machine for the first time. Keep these instructions for future reference.

Congratulations! You have purchased one of the most efficient laundry appliances available on the market today. The Unique portable DC washer is designed to provide years of efficient trouble-free operation.

Before using the appliance, read through this manual carefully including all the information on safety, installation, operation, and maintenance. These guidelines do not cover every possible condition or situation that may occur. Be safe using common sense and caution when installing, operating and maintaining this appliance. If you are unsure about any of these instructions or warnings, contact your local product dealer or Unique Off-Grid Appliances for assistance.
BEFORE USING THE MACHINE

parts list

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PART NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wash timer</td>
</tr>
<tr>
<td>2</td>
<td>Wash &amp; drain selector</td>
</tr>
<tr>
<td>3</td>
<td>Water inlet</td>
</tr>
<tr>
<td>4</td>
<td>Spin tub frame</td>
</tr>
<tr>
<td>5</td>
<td>Spin timer</td>
</tr>
<tr>
<td>6</td>
<td>Power cord/optional for on-grid</td>
</tr>
<tr>
<td>7</td>
<td>Spin cover</td>
</tr>
<tr>
<td>8</td>
<td>Spin tub</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PART NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Spinner gap</td>
</tr>
<tr>
<td>10</td>
<td>Base frame</td>
</tr>
<tr>
<td>11</td>
<td>Pulsator</td>
</tr>
<tr>
<td>12</td>
<td>Filter</td>
</tr>
<tr>
<td>13</td>
<td>Scrubber plate</td>
</tr>
<tr>
<td>14</td>
<td>Wash cover</td>
</tr>
<tr>
<td>15</td>
<td>Overflow drain</td>
</tr>
<tr>
<td>16</td>
<td>Drain hose</td>
</tr>
<tr>
<td>17</td>
<td>Wheel base (optional)</td>
</tr>
</tbody>
</table>
IMPORTANT SAFETY NOTES

These warnings are provided in the interests of your safety. Please ensure that you understand them all before installing or using this washing machine. Your safety is of paramount importance. If you are unsure about any of these meanings or warnings, contact your local product dealer or Unique Off-Grid Appliances for assistance.

PRIOR TO INSTALLATION:
At delivery, please check that the washing machine is complete and has not been damaged during transport. It is not advised to connect an appliance that has been damaged, especially damage to the electrical supply cable. In the event of damage please contact your local product dealer or Unique Off-Grid Appliances for assistance.

GENERAL SAFETY
• This appliance is designed for domestic use only.
• Before cleaning or repositioning the washing machine, always disconnect from the electrical power supply.
• In the case that the plug end of the power supply cord or AC/DC converter is damaged, do not attempt to fix it without prior electrical knowledge. Consult a qualified electrical technician regarding repair.
• Plug the washing machine directly into a wall outlet; do not use a power bar, and do not share the outlet with another appliance or power bar.
• Keep the washing machine away from heat sources.
• Do not keep the washing machine in the bathroom as high humidity may damage the electrical insulation and cause rust.
• Do not rest heavy loads on top of the washing machine.
• Ensure that the washing machine is installed on a level, solid surface.

CHILD SAFETY
• Do not allow children to play in, on or around the washing machine. It is not a toy.

OPERATION SAFETY
• Do not put your hands into the washing tub or spinner tub while it’s running.
• Do not overload the washing tub or spinner tub capacity. Overloaded or overly heavy loads may damage the washing machine.
• Do not wash waterproof or rubberized materials (like raincoats) as they may cause damage to the spinner tub.
USING YOUR WASHING MACHINE

• Do not wash laundry soaked with gasoline or organic solvents.

INSTALLATION
• Place the washing machine on level, solid ground.
• FOR ON-GRID USE: Plug the power supply cord to a grounded power outlet.
• FOR OFF-GRID USE: Attach the 24V DC power cord to a 24V DC power supply. To protect against electric shock, do not immerse the power cord, plugs and/or washing machine in water or other liquids.

WASHING LAUNDRY (MAXIMUM WASH CAPACITY: 8 KG / 18 LBS.)
• Insert the water hose into water tap to fill the washing tub.
• Choose the level of water needed and add detergent according to the size of the load of laundry. DO NOT OVERFILL! If using powdered detergent, set the wash cycle to ‘gentle’ and allow the water in the wash tub to agitate for a minute or two before adding laundry to ensure that the detergent is fully dissolved.
• Put in laundry and close the wash cover.
• Select wash duration according to the weight of laundry.
• Select wash cycle (gentle/normal) according to the quality of the laundry.
• After the wash cycle has completed, set the wash selector to drain.

SOAK RINSE
• Insert the water hose into the water tap to fill the washing tub.
• Fill tub with water according to size of the load.
• For rinse cycle, set the timer for the desired agitation time

FINAL SPIN CYCLE (optional - to remove detergent/water) (MAXIMUM SPIN CAPACITY: 6 KG / 13.2 LBS.)
• Once the rinse cycle has completed and the tub has drained, move the laundry from the wash tub to the spinner tub.
• Arrange laundry uniformly in the spinner tub to prevent the laundry load from becoming unbalanced during the spin cycle. An unbalanced load in the spin tub may cause abnormal vibration and noise.
• Press the laundry down firmly and place the spinner cap on top.
• Select spin cycle duration according to the size of the load.
# USING YOUR WASHING MACHINE continued

## WASH/RINSE/SPIN TIMES & DETERGENT MEASUREMENTS

<table>
<thead>
<tr>
<th>WEIGHT OF DRY LAUNDRY</th>
<th>FABRIC MATERIAL</th>
<th>WATER LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 3.6 kg / 8 lbs</td>
<td>Cotton, linen</td>
<td>Low water level</td>
</tr>
<tr>
<td>More than 3.6 kg / 8 lbs</td>
<td>Cotton, linen</td>
<td>High water level</td>
</tr>
<tr>
<td></td>
<td>Silk, polyester blends, nylon</td>
<td>High water level</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FABRIC MATERIAL</th>
<th>SPIN TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thin material, polyester blends, nylon</td>
<td>1 minute</td>
</tr>
<tr>
<td>Cotton knits</td>
<td>1-2 minutes</td>
</tr>
<tr>
<td>Sheets, towels, blankets, denim</td>
<td>2-4 minutes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LAUNDRY QUALITY</th>
<th>FABRIC MATERIAL</th>
<th>DETERGENT MEASURE</th>
<th>WASH TIME</th>
<th>RINSE TIME</th>
<th>WASH TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lightly soiled</td>
<td>Silk, wool, polyester blends, nylon</td>
<td>35-40 grams / 1.2 - 1.4 ounces</td>
<td>5-7 mins</td>
<td>4-6 mins</td>
<td>gentle</td>
</tr>
<tr>
<td></td>
<td>Cotton, linen</td>
<td>40-45 grams / 1.4 - 1.6 ounces</td>
<td>7-10 mins</td>
<td>6-8 mins</td>
<td>gentle</td>
</tr>
<tr>
<td>Heavily soiled</td>
<td>Silk, wool, polyester blends, nylon</td>
<td>45-50 grams / 1.6 - 1.8 ounces</td>
<td>8-12 mins</td>
<td>6-8 mins</td>
<td>normal</td>
</tr>
<tr>
<td></td>
<td>Cotton, linen</td>
<td>50-55 grams / 1.8 - 2 ounces</td>
<td>12-15 mins</td>
<td>8-10 mins</td>
<td>normal</td>
</tr>
</tbody>
</table>
MAINTENANCE

IMPORTANT: Always unplug the power supply cord before moving the washing machine or performing any maintenance.

CLEANING THE FILTER

There will be lint left behind in the overflow filter and in the lint filter after each wash cycle. These filters need to be cleaned after every load in order to maintain correct operation of the washing machine and to ensure that the drainage pump does not become clogged.

• The lint filters must be in place during each wash cycle.
• Slide the lint trap down until it rests below the surface of the water (the lint trap will not work correctly unless it is fully submerged.)
• The lint filters must be cleaned after each wash cycle.

REMOVING THE LINT FILTER

• After the wash is complete, hold the filter frame, gently press downward and pull the lint filter/holder from the filter frame.
• Rinse filter clean under running water and replace it by inserting the bottom part of the filter frame into the slot and gently pushing the filter back into place.
• After all washing is complete, remove the filter as described above, rinse the filter clean under running water and allow it to dry away from direct sunlight and heat sources.
• Once the filter is dry, place it back into the filter holder.

TO REMOVE LINT FILTER:
Gently press downward and pull the lint filter holder from the filter frame

TO REPLACE LINT FILTER:
Insert bottom tab of lint filter holder into the bottom of the filter frame and gently push the filter holder back into place.
WINTERIZATION

The washing machine must be drained prior to storage in cold areas during the winter months. Any water left in the unit could freeze and potentially damage the machine, hoses or connections. To drain the washing machine, move it to a location where it can drain out safely (outside or over a floor drain, for example). Locate the drain plug on the bottom of the washing machine and open it to allow any collected water to drain out before storing for the winter. Leave the drain open during storage, and replace the drain plug the next time you use the washing machine.

view of underside of washing machine
TROUBLE SHOOTING

Before contacting a service technician, your local product dealer or Unique Off-Grid Appliances, please check the following points.
If you contact a technician to repair a fault listed below, or to repair a fault caused by misuse, abuse, or faulty installation, a charge will be made even if the appliance is under warranty.

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSES/SOLUTIONS</th>
</tr>
</thead>
</table>
| The machine does not work                    | • Is there a power outage? Check power source.  
• Is the power supply cord connected to a power outlet? Ensure the power supply cord is connected correctly.  
• Is something tangled around the agitator? Verify the agitator is able to move freely. |
| The machine is not draining                  | • Has the drain hose been lowered to a bucket, sink or drain receptacle? Drain hose should have a downward angle to facilitate flow.  
• Is the drain hose kinked or plugged? Ensure drain hose doesn’t have any sharp angles or kinks that could impede draining.  
• Is the drain hose frozen? If frozen, allow hose to thaw and drain. Store drain hose at room temperature.  
• Have any clothes fallen outside of the washing/spinning tub? Remove any articles that could affect washing/spinning. |
| There is an abnormal sound while washing     | • Are there any loose articles (for example: loose change, keys, etc...) in the washing tub? Remove any articles that are not laundry.  
• Was the laundry placed in the wash tub in an uneven manner, or has the laundry shifted to one side of the tub during the wash cycle? Reposition laundry within the wash tub so that the load is balanced. |
| Pump doesn’t work                             | • Is there enough water pressure from the washing tub? Drop the drain hose to the ground into a bucket to produce gravity flow.  
• Is there enough water in the washing tub? Increase the water level in the washing tub to help prime the pump. |
## Trouble Shooting continued

| There is an abnormal sound and/or loud vibration while spinning | • Are there any loose articles (for example: loose change, keys, etc...) in the spinner tub? **Remove any articles that are not laundry.**  
• The washing machine is not level. **Ensure the washing machine placed on a level, solid surface.**  
• The spinner cap is loose on top of the laundry in the spinner tub. **Ensure that the spinner cap is pushed down firmly on top of the laundry in the spinner tub.**  
• Have any clothes fallen outside of the spinner tub? **Remove any articles that could affect spinning.**  
• Is the laundry unevenly distributed in the spinner tub? **Reposition laundry within the spinner tub so that the load is balanced.**  
• Is there too much laundry in the spinner tub? **Do not overload the spinner tub.** |
| Washing machine is not working via 24V DC alligator clips | • Are the alligator clips making a solid connection to the terminals? **Verify that the alligator clips are fully contacting the terminals.**  
• Are the alligator clips connected to the correct terminals? **Ensure the connections are correct: negative to negative/positive to positive.**  
• Is the battery dead? **Check battery output and recharge if necessary.**  
• Is the 15A fuse burned out? **Check fuse and replace if necessary.** |

## Typical Battery Configuration

**2 x 12 V TO 24 V SERIES**

![View of correct configuration of 12V batteries](image)
To make care and servicing of your portable DC washing machine easy and efficient, please record the following information for future reference:

Model: ________________________________________________________________

Serial Number: __________________________________________________________

Purchased From: __________________________________________________________

Date Purchased: __________________________________________________________

NOTES
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_____________________________________________________________________

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To make care and servicing of your portable DC washing machine easy and efficient, please record the following information for future reference:

Model:

Serial Number:

Purchased From:

Date Purchased:
## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>UGP-72 LD1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPACITY washer</td>
<td>18 lbs / 8.0 kg</td>
</tr>
<tr>
<td>CAPACITY spinner</td>
<td>13.2 lbs / 6.0 kg</td>
</tr>
<tr>
<td>OPERATION</td>
<td>DC 24V</td>
</tr>
<tr>
<td>DIMENSIONS (unboxed)</td>
<td>H 35” x W 31.5” x D 18.7”</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>50 lbs./23 kg</td>
</tr>
<tr>
<td>CONNECTIONS</td>
<td>Battery gator clips (AC/DC converter for on-grid use sold separately)</td>
</tr>
<tr>
<td>DC POWER</td>
<td>24V</td>
</tr>
<tr>
<td>POWER CONSUMPTION</td>
<td>0.19 kw/h</td>
</tr>
<tr>
<td>INPUT WASH POWER</td>
<td>160W/320W</td>
</tr>
<tr>
<td>WATER CONSUMPTION</td>
<td>variable upon need</td>
</tr>
</tbody>
</table>
Unique Gas Products Ltd. warrants that this UNIQUE washing machine is free from defects in material and workmanship under normal usage and service under the following terms:

Parts Warranty
This appliance has been designed for domestic household use. If properly installed, adjusted and operated under normal conditions in accordance with printed instructions, it will satisfactorily perform the functions that are generally expected of this type of appliance.

If the appliance fails to do so because of a defect in material or workmanship within one year from the original date of purchase: Unique will at our option, repair, exchange, or correct by other means Unique consider appropriate, any part(s) Unique finds to be defective except for the surface finish. *Due to remote locations, it is the customer’s responsibility to bring items to the dealer for review. Any part(s) replaced or repaired will be warranted only for the balance of the original year. Customer is responsible for labor.

Ownership
This Warranty is made only to the first purchaser ("original purchaser") who acquires this washing machine for his/her own use and will be honored by Unique Gas Products Ltd. and by the Seller. Purchaser must retain their receipt as proof of purchase date.

Warranty Conditions
This warranty does not apply to any appliance that has been subjected to alterations, misuse, abuse (including damage by foreign agents or chemicals), accident, improper installation or service, delivery damage, or other than normal household use and service. This UNIQUE appliance must be serviced regularly as outlined in the Owner's Manual. Neither Unique Gas Products Ltd. nor the selling dealer will be liable for direct or indirect loss of clothes/textiles caused by failure in operation. In case of damage, the owner must provide proof of purchase, Model, and Serial Number to the selling dealer or Unique Gas Products Ltd. This warranty is LIMITED STRICTLY to the terms indicated herein, and no other expressed warranties or remedies thereunder shall be binding on Unique.

Purchaser’s Responsibilities
The purchaser will be responsible for the costs of any service calls requested to demonstrate or confirm the proper operation of the appliance, the installation, or to correct malfunctions in the appearance created by the operation of the appliance in a manner not prescribed by or cautioned against in the use and care instructions.

Model and Serial Number
The appliance model number and serial number can be found on a rating plate attached to the back of the washing machine. The purchaser should always refer to the model and serial number when talking to or contacting the dealer from whom the appliance was purchased.

Factory Assistance
If the purchaser is unable to locate an authorized dealer/service agent, or if the purchaser does not receive satisfaction from the dealer, they may contact Unique Gas Products Customer Service directly at Toll Free 1-877-427-2266 or 905-827-6154