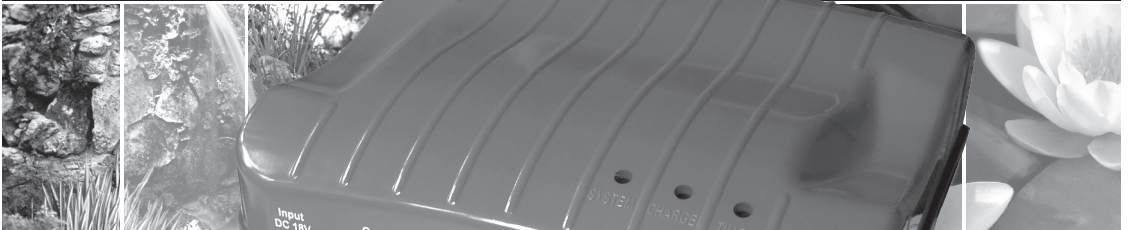


# PondMAX

FOR GARDENS THAT GO THE EXTRA YARD

## SOLAR BATTERY BACKUP (INCL BATTERY)

### INSTRUCTION MANUAL



**AQUATEC**  
EQUIPMENT

DATE  
OCT 2021 v1.0

[www.pondmax.com.au](http://www.pondmax.com.au)

MODEL  
02PS015



**WELCOME TO THE WORLD OF PONDMAX™.**  
YOU MADE THE **RIGHT** CHOICE INVESTING IN THIS  
**QUALITY** PRODUCT. THANK YOU AND **ENJOY.**

**BEFORE USING THIS PRODUCT, PLEASE READ THESE INSTRUCTIONS CAREFULLY AND MAKE YOURSELF FULLY FAMILIAR WITH THE UNIT. PLEASE KEEP THESE INSTRUCTIONS IN A SAFE PLACE FOR FUTURE REFERENCE.**

### TECHNICAL SPECIFICATIONS

Description	
PART NUMBER	<b>02PS015</b>
LEAD ACID BATTERY	<b>12V, 7AH</b>
CHARGING VOLTAGE	<b>12V-24V</b>
OUTPUT VOLTAGE	<b>12V-24V</b>
MAXIMUM INPUT POWER	<b>20W</b>
MAXIMUM OUTPUT POWER	<b>12W</b>
SIZE	<b>19 X 15 X 12.5CM</b>
NET WEIGHT	<b>2.95KG</b>
CABLE LENGTH	<b>5M</b>



#### IMPORTANT SAFEGUARDS

Please read these instructions and familiarize yourself with the equipment before placing it in service. Correct and safe use of the system requires strict compliance with the safety instructions. For safety reasons persons less than 16 years of age or people that are not familiar with these instructions should not use this equipment.

- Do not connect the solar battery backup to any AC voltage power for charging; it is **ONLY** for DC voltage power.
- Do not leave this battery backup in bad weather conditions or a bad ambient environment.
- Do not leave the battery backup in direct sunlight or expose it to extreme heat or cold temperatures.
- Do not expose this battery backup system to water.

# SOLAR BATTERY BACKUP UNIT (INCL BATTERY)

## INSTALLATION AND MAINTENANCE

1. Connect the "INPUT" cable from the battery backup, to the solar panel (provided separately with solar pump kit) and tighten the threaded connection.
2. Make sure the pump is fully underwater prior to operation.
3. Insert the pump cable to the "OUTPUT" socket of the battery backup, and tighten the threaded connection.
4. Press the switch on the battery backup to the "System On" position. The green LED should then illuminate and the solar pump should start to operate. However the red LED may illuminate while it operates for the first time, if the battery lost charge while in inventory. In this case the battery will need to be charged for 2 to 3 hours while the solar panel is in direct sunshine, then the green LED should illuminate to indicate that battery is charged and the pump will begin to work.
5. The pump will automatically stop running when the battery runs out of charge and the red LED should illuminate.
6. The pump will automatically resume running when the battery is recharged to its starting voltage and the green LED illuminates.
7. If you want to have longer operating time in the evening, then press the switch on the battery backup to the "System Off" position during the day and press to "System On" position whenever you need it.

**Note: The battery will be always charge when the solar panel is in the sunlight no matter whether the switch is on "System On" or "System Off" position! The system will automatically cut off the charging current when the battery reaches maximum charging capacity (fully charged).**

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## INSTALLATION AND MAINTENANCE

If after a period of time the RED indicating light is always illuminated, and the pump does not operate even though the solar module is in full sunlight, please troubleshoot per the below possible failures:

- Bad or no connection to the solar module-check connection to the solar module.
- The battery is out of its service life and needs to be replaced.

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## DESIGN HIGHLIGHTS

- This Solar Battery Backup is designed to store solar energy for the PondMAX Solar Pump Kits and has enough charge to run pump for 3-4 hours on its own.
- 1 Year Warranty
- The battery backup has built-in overcharge protection.
- LED indicator lights provide the working status of the battery backup.
- The output voltage can be adjusted in the range of 12V-24V, for optimal pump performance.

## LIMITED WARRANTY

- This product is warranted to the initial purchaser to be free of defects in materials and manufacture workmanship at the time of initial purchase and for a period of 1 year after. Some parts are consumable (e.g. battery) and may need to be replaced as part of ongoing product maintenance and are not covered by this Warranty. In the event this unit malfunctions within 1 year from the date of purchase, the sole obligation of PondMAX™ (hereinafter referred to as PondMAX™) will be to repair the unit or replace with an equivalent new or factory refurbished unit at PondMAX's discretion, subject to the following condition:
- The malfunction is proved attributable to a defect in materials or manufacture workmanship, including repairs performed under this warranty. Malfunction for any other reason including but not limited to misuse, negligence, accident, or tampering with parts, incorrect wiring, or improper installation-will not be remedied under this warranty.
- PondMAX™ specifically does not guarantee chemical compatibility, and expressly does not warrant units from any problems caused by chemical attack or failure due to incompatibility of fluid used near this aeration system.
- All warranty repairs must be performed by PondMAX™ or a PondMAX™ authorized company.
- Purchaser must retain the purchase receipt and present it with this certificate as proof of ownership and entitlement to warranty repairs. Unauthorized repairs will not be compensated by PondMAX™, and are not the responsibility of PondMAX™, and if such repairs damage the product, such damages are not remedied under this warranty.
- Purchaser shall bear all onsite labor, shipping, packing and insurance costs and all other costs, excluding in house labor and parts necessary to effectuate repairs under this warranty.
- This warranty is in lieu of all other express warranties which now or hereafter might otherwise arise with respect to this product. Any and all limited warranties, including the warranties of merchantability and fitness for particular purpose, shall have no greater duration than the duration period of the express written warranty applicable to this product, and shall terminate automatically the expiration of such duration period.
- Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. No action shall be brought for breach of any implied or express warranty after one year subsequent to the expiration of the duration period of the express written warranty.
- Incidental and consequential damages caused by malfunction, defect, or otherwise, and with respect to breach of any express or implied warranty, are not the responsibility of PondMAX™, and, to the extent permitted by law, are hereby excluded for property damage, loss of livestock and, to the extent not unconscionable, for personal injury damage. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- This warranty does not apply to any malfunction arising out of any application of this product other than normal use, unless such application is upon request specifically approved in writing by PondMAX™.
- The provisions of this warranty are severable and if any provision shall be deemed invalid, the remaining provisions shall remain in full force and effect.
- Rights under this warranty are not assignable without the express prior consent in writing by PondMAX™ and, regardless of the terms of such consent in writing, such assignee shall have no greater rights than his assignor had against PondMAX™.

**Please consult your retailer for quality original PondMAX replacement parts.  
Visit [www.pondmax.com.au](http://www.pondmax.com.au) for your nearest stockists. E.&O.E.**