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› [DORTALA Solar Pool Heater, Set of 3 Dome Swimming Pool Water Heater for Above Ground & Inground Pool with Black Heating Coil, Foldable Legs, Rotatable Hose Connector 3 Pack User Manual](#)

DORTALA DOUS-3*NP12275

DORTALA Solar Pool Heater

USER MANUAL

Model: DOUS-3*NP12275

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the DORTALA Solar Pool Heater. This manual provides essential information for the safe and efficient operation of your new solar pool heating system. Our solar dome heater is designed to efficiently warm your pool water using only solar energy, eliminating the need for costly electricity or gas. The transparent dome cover and internal black coils are engineered to maximize heat absorption and retention, ensuring a comfortable swimming temperature.

Each unit features two foldable legs for optimal sun exposure and compact storage. The system is compatible with both above-ground and in-ground swimming pools and can be linked with additional units for larger pools.



Figure 1: DORTALA Solar Pool Heater (3-Pack)

2. PACKAGE CONTENTS

Please verify that all components are present in your package before beginning installation:

- Solar Dome Heater Unit(s)
- Long Hose (1.5" x 39.3" / 3.8 x 100 cm)
- Short Hose (1.5" x 14.5" / 3.8 x 37 cm)
- Threaded Nut Hose
- Hose Reducers (2x)
- Flat Gasket
- Sealing Tape
- Hose Clamps (2x)



Complete Accessories



1 x Long Hose



1 x Short Hose



1 x Threaded Nut Hose



2 x Hose Reducers



1 x Flat Gasket



1 x Sealing Tape



2 x Hose Clamps

Figure 2: Complete Accessories Included

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Follow these steps carefully:

- 1. Placement:** Position the solar heater in an area that receives maximum direct sunlight throughout the day. The foldable legs allow you to adjust the angle for optimal sun exposure.
- 2. Hose Connection:** Connect the solar heater to your pool's filtration system. Cold water from the pool flows into the solar heater, is warmed by the sun, and then returned to the pool. The 90° rotatable hose connectors facilitate easy hose setup. The hose connectors fit joints of 1½" and 1¼".
- 3. Pump Requirement:** A pump (not included) is required to circulate water through the solar heater. It is recommended to use a 1-2HP power pump with up to 16 GPM flow rate.
- 4. Multiple Units:** For larger pools, multiple solar dome heaters can be linked together to achieve greater heating capacity. Refer to the pool size chart below for guidance.

Energy-efficient Solar Dome Heater



Transparent Dome Cover

Gather heat and keep inside clean from debris



Built-in Black Coil

Help capture and retain heat more efficiently



Rotatable Hose Connector

Make it easy to position the hose in different directions

Figure 3: Energy-efficient Solar Dome Heater Water Flow Diagram

2 Convenient Foldable Legs

Adjust the height of the heater to achieve the desired angle for optimal heat distribution



Figure 4: Foldable Legs for Optimal Angle and Storage



Number of Solar Powered Heater	Fit Round/Rectangular Pool Size
1	8 ft
1	10 ft
1/2	12 ft
2	15 ft
2	16 ft
2/3	18 ft
2/3	24 ft (Oval)
3	28 ft
3	32 ft

Figure 5: Recommended Heater Quantity per Pool Size

4. OPERATING INSTRUCTIONS

Once installed, the DORTALA Solar Pool Heater operates automatically with your pool pump. Ensure your pump is running during daylight hours to circulate water through the heater. The transparent dome cover and black coil system will absorb solar radiation, transferring heat directly to the circulating pool water. This process typically raises the pool water temperature by 5.4 to 7.2°F (3-4°C) under optimal sunny conditions.

For best results, position the heater to face the sun directly. Adjust the foldable legs as the sun's position changes throughout the day or season to maximize heat absorption.

5. CARE AND MAINTENANCE

To ensure the longevity and efficiency of your solar pool heater, follow these maintenance guidelines:

- **Cleaning:** Periodically clean the transparent dome cover to ensure maximum sunlight penetration. Use a soft cloth and mild soap solution. Avoid abrasive cleaners that could scratch the surface. The product care

instructions specify 'Hand Wash Only'.

- **Winterization:** Before freezing temperatures arrive, disconnect the solar heater from your pool system. Drain all water from the unit to prevent ice damage. Store the unit in a dry, protected area.
- **Inspection:** Regularly inspect hoses and connections for any signs of wear, leaks, or damage. Replace worn components as needed.

6. TROUBLESHOOTING

If you encounter issues with your solar pool heater, consider the following common problems and solutions:

- **Insufficient Heating:**
 - Ensure the heater is receiving direct sunlight for the majority of the day. Adjust its position or angle if necessary.
 - Verify that your pool pump is operating correctly and circulating water through the heater at the recommended flow rate.
 - Check if the transparent dome cover is clean and free of debris or mineral buildup that could block sunlight.
 - For larger pools, consider adding more solar heater units as per the recommended chart in Section 3.
- **Leaks:**
 - Inspect all hose connections and fittings for tightness. Use the included sealing tape on threaded connections.
 - Check hoses for cracks or punctures. Replace damaged hoses immediately.
 - Ensure gaskets are properly seated and not damaged.
- **Low Water Flow:**
 - Check your pool pump and filter system for any blockages or issues.
 - Ensure hoses are not kinked or obstructed.

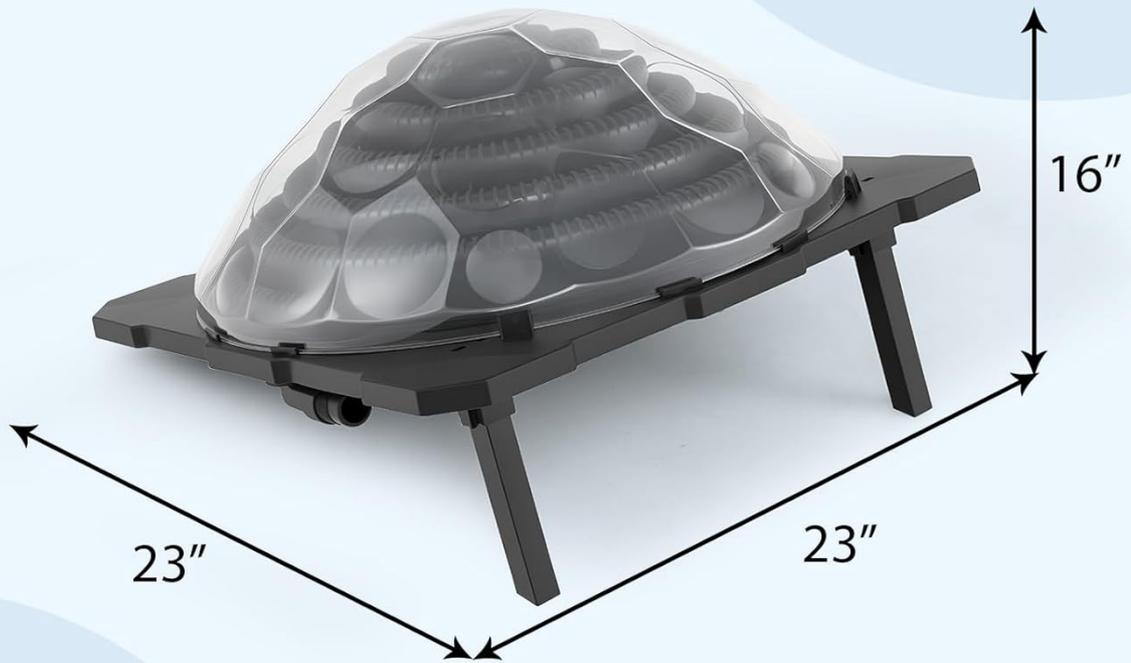
If problems persist, please contact DORTALA customer support for assistance.

7. PRODUCT SPECIFICATIONS

Attribute	Detail
Brand	DORTALA
Model Name	Solar Pool Heater
Model Number	DOUS-3*NP12275
Color	Black
Material	Polypropylene (PP), Polycarbonate (PC), Polyethylene (PE)
Dimensions (L x W x H)	23" x 23" x 16" (58 x 58 x 41 cm)
Net Weight (per unit)	12 lbs (5.5 kg)

Attribute	Detail
Temperature Increase (Typical)	5.4-7.2°F (3-4°C)
Short Hose Size (Dia x L)	1.5" x 14.5" (3.8 x 37 cm)
Long Hose Size (Dia x L)	1.5" x 39.3" (3.8 x 100 cm)
Applicable Hose Connector Joints	1½" and 1¼"
Product Care Instructions	Hand Wash Only

Product Dimensions



Size of Long Hose: 1.5" x 39.3" (Dia x L)



Size of Short Hose: 1.5" x 14.5" (Dia x L)

Figure 6: Product Dimensions and Hose Sizes



Extensive Use

Applicable for various outdoor swimming pools



Figure 7: Extensive Use for Various Pool Types

8. IMPORTANT SAFETY INFORMATION

Please read and adhere to the following safety guidelines:

- Do not exceed a pressure limit of 0.8 kPa (approximately 0.12 PSI) within the heater system.
- The daily air pressure should not exceed 35 PSI.
- Protect the unit from extreme weather exposure, especially freezing temperatures, by properly winterizing it.
- Ensure all electrical connections for the pump are safe and comply with local regulations.
- Keep children and pets away from the pool equipment area during operation.

9. WARRANTY AND CUSTOMER SUPPORT

DORTALA stands behind the quality of its products. For warranty information, technical support, or any questions regarding your solar pool heater, please contact DORTALA customer service through the retailer where you purchased the product or visit the official DORTALA website. Please have your model number (DOUS-3*NP12275)

and purchase date ready when contacting support.