



# NEXT GENERATION SOLAR ENERGY SYSTEMS

A N A D D R E S S   T H A T   S P E A K S   O F   F U T U R E

The logo for Yesilev, featuring a stylized orange sun icon above the letter 'i' in 'Yesilev', which is written in a bold, green, sans-serif font.



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## OFF-GRID

Hot water supply without being connected to a 230V grid. Photovoltaic energy can also be used without a 230V connection.



## EXTRA LOW VOLTAGE

The system operates at a low voltage level below 50V, which makes it safer.



## INTEGRATED MPPT

Maximum energy utilization is ensured through Maximum Power Point Tracking (MPPT).



## INVERTER-FREE SYSTEM

The system does not require an inverter, eliminating the cost of an inverter.



## EASY INSTALLATION

Photovoltaic modules are connected with simple plug-and-play connections.



## HOT WATER GUARANTEE

A second 230V heater with a power provides hot water during the night and in bad weather conditions.

|                                                  | Unit | 120 LITER   | 150 LITER   | 200 LITER   | 300 LITER   | 500 LITER   |
|--------------------------------------------------|------|-------------|-------------|-------------|-------------|-------------|
| Product Model                                    | -    | WHS-120-HBB | WHS-150-HBB | WHS-200-HBB | WHS-300-HBB | WHS-500-HBB |
| Capacity                                         | lt   | 120         | 150         | 200         | 300         | 500         |
| Maximum Heat Loss (W)                            | W    | 39,6        | 46          | 47,5        | 50,2        | 61,3        |
| Working Pressure (MPa)                           | Mpa  | 0,6         | 0,6         | 0,6         | 0,6         | 0,6         |
| Volume (l)                                       | lt   | 120         | 150         | 200         | 300         | 500         |
| Net Weight (kg)                                  | KGM  | 55          | 62          | 80          | 96          | 136         |
| Maximum PV Current Consumption per MPPT (A)      | A    | 15          | 15          | 15          | 15          | 15          |
| PV DC Electric Power (W)                         | W    | 1200        | 1200        | 1200        | 1200        | 1200        |
| Maximum Connectable Photovoltaic Power (Wp)      | Wp   | 4000        | 4000        | 4000        | 4000        | 4000        |
| Maximum Connectable Power per MPPT Tracker (Wp)  | Wp   | 2000        | 2000        | 2000        | 2000        | 2000        |
| Maximum Open Circuit Voltage of PV Module (Voc)  | Voc  | 50          | 50          | 50          | 50          | 50          |
| Number of MPPTs                                  | -    | 2           | 2           | 2           | 2           | 2           |
| AC Heating Option                                | -    | ✓           | ✓           | ✓           | ✓           | ✓           |
| Maximum Water Temperature with Photovoltaic (°C) | °C   | 65-80       | 65-80       | 65-80       | 65-80       | 65-80       |
| Hot Water Outlet                                 | -    | 3/4"        | 3/4"        | 3/4"        | 3/4"        | 3/4"        |
| Probe Housing                                    | -    | 1/2"        | 1/2"        | 1/2"        | 1/2"        | 1/2"        |
| Cold Water Inlet                                 | -    | 3/4"        | 3/4"        | 3/4"        | 3/4"        | 3/4"        |
| Circulation                                      | -    | 3/4"        | 3/4"        | 3/4"        | 3/4"        | 3/4"        |
| Magnesium Anode                                  | -    | 1"          | 1"          | 1"          | 1"          | 1"          |
| Electric Heater                                  | -    | 1 1/4"      | 1 1/4"      | 1 1/4"      | 1 1/4"      | 2"          |
| Outer Diameter                                   | mm   | 500         | 500         | 600         | 600         | 750         |
| Height                                           | mm   | 1200        | 1400        | 1200        | 1800        | 1800        |
| Insulation                                       | mm   | 60          | 60          | 60          | 60          | 60          |



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## 500LT SUNBOIL 1.2KW DC RESISTANCE WITH MPPT ELECTRONIC CARD

### TECHNICAL SPECIFICATION

- Manufactured in full compliance with EN 12897:2016 +A1 Standards
- Enamel coating on low carbon steel
- Electrostatic painted galvanized steel body
- UV resistant polyethylene, galvanized steel covers
- Magnesium anode protection
- 1.2kW DC Water Heater Resistance
- Control Panel with MPPT Card(for 1.2kW DC Water Heater Resistance)

|                          | Unit | Sunboil 500LT 1.2kW DC Resistance with MPPT Card  |
|--------------------------|------|---------------------------------------------------|
| Outer Diameter           | -    | 740                                               |
| Height                   | mm   | 1750                                              |
| Hot Water Out            | -    | 1"                                                |
| Circulation              | KGM  | 1"                                                |
| Cold Water Inlet         | cm   | 1"                                                |
| Electric Heater          | inch | 2"                                                |
| Tank Body Material       | mm   | Low Carbon Steel: Body 3mm / Caps 4 mm            |
| External Casing          | -    | *Case: Color coated galvanize steel               |
| Tank Internal Protection | -    | Enatech porcelain Enamel coating 200-400 micrones |
| Cathodic Protection      | -    | Magnesium anode rod                               |
| Test Pressure            | bar  | Body: 9 bar                                       |
| Insulation               | -    | Polyurethane injection (42kg/m3)                  |



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