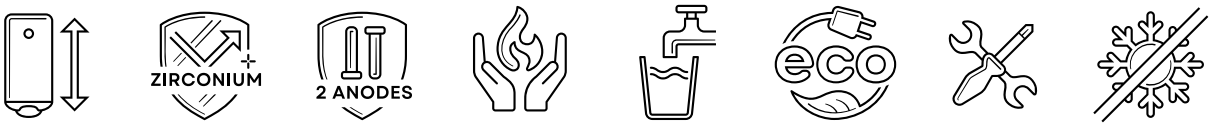
ELDOM 80 Hybrid Water Heater

550W DC + 1500W AC, electronic control, enameled water tank



Technologies:





The innovative ELDOM hybrid water heater is designed with the future in mind. It utilizes solar energy—converted directly from photovoltaic panels (without the need for an inverter)—to heat

water, while also drawing power from the electrical grid. This product is unique on the Bulgarian market; it not only offers cost savings but, with a sufficient number of panels, can even provide complete independence from the electrical grid.

• Savings and Efficiency
Beyond its environmental benefits, the new water heater delivers significant cost savings. Once installed, users can enjoy hot water heated—partially or entirely—by the sun, requiring only a minimal amount of electricity. This leads to a substantial reduction in monthly utility costs.

• Dual Energy Sources – AC/DC
The unit uses solar energy, converted directly from photovoltaic panels (no inverter required), to heat water, alongside power from the electrical grid. For optimal performance, the hybrid water heater must be connected to 2–4 photovoltaic panels (60/120-cell configuration, 400 W per panel, and a maximum open-circuit voltage of 42V). To ensure a sufficient supply of hot water even on the cloudiest days, the unit is equipped with an auxiliary 1500W electric heating element.

• Electronic Control with Digital LCD Display
Features an accessible, user-friendly control system with three operating modes. The LCD display provides system information, including water temperature and incoming solar energy.

• German Technology
The electronic control system features a unique operating principle with an integrated, innovative MPP tracker, ensuring maximum output from the photovoltaic panels under all weather conditions.

• Up to 70% Energy Savings
A two-person household can save up to 70% of the energy required for water heating by using photovoltaic panels to power an 80-liter hybrid water heater.

• Plug and Play
The photovoltaic modules are easily connected using MC4 connectors.

• Safety
A low-voltage level (below 42 V) ensures safe installation of the hybrid water heater.

• Minimal Heat Loss
Features dense thermal insulation over 33 mm thick, utilizing a next-generation closed-cell polyurethane system based on HFO (hydrofluoroolefin) technology.

• Long Service Life
The water tank is coated with wear-resistant zirconium enamel and equipped with two magnesium anodes, providing optimal corrosion protection throughout the entire volume.

• Anti-frost Function
Prevents the water inside the heater from freezing.

• Easy Installation and Operation

Installs just like a standard electric water heater.

Installation:	**Vertical**
Capacity range:	**80**
Water tank:	**Enameled**
Control:	**electronic control**
Dimensions ØxH [mm]:	**462 x 835**
Voltage [V]:	**230 V~**
IP protection:	**IP24**
Nominal volume [l]:	
.:	**2050 W (550 + 1500) W**
.:	**17- 42,4**
.:	**G1/2 M**
.:	**G1/2 M**