200 Liter Solar Water Heater – Technical Datasheet (ETC Type)

Brand: G-Axis Solar Oman

Model: SWH-ETC-200L

General Description:

The 200L Solar Water Heater is a high-efficiency evacuated tube solar heating system designed for villas, apartments, and small commercial applications. Built for Oman’s climate with stainless steel tank, high absorption vacuum tubes, and strong galvanized stand.

Technical Specifications:

Tank Specifications:

- Capacity: 200 Liters

- Tank Type: Non-Pressurized or Pressurized depending on model

- Inner Tank: Stainless Steel 304/316

- Outer Tank: Stainless Steel / Color-coated steel

- Insulation: High-density PU Foam 50–60 mm

- Max Temperature: 85–95°C

- Heat Loss: <4–5°C per 12 hours

Evacuated Tube Collector:

- Triple-layer borosilicate vacuum tubes

- Tube Diameter: 58 mm

- Tube Length: 1800–2100 mm

- Number of Tubes: 18–20 tubes

- Solar Absorption: ≥93%

Stand / Frame:

- Material: Heavy-duty galvanized steel
- Installation Angle: 25°–45°
- Wind Resistance: Up to 120–150 km/h

Connections & Installation:

- Inlet/Outlet size: 1/2" or 3/4"
- Safety valve included
- Optional 1.5–2 kW electric heater

Key Features:

- High efficiency for 2–4 people
- Low maintenance
- Zero electricity cost
- Excellent performance in winter and low sunlight
- Long lifespan stainless steel construction

Warranty:

- Tank: 3–5 years
- Tubes: 1 year
- Stand: 1 year