**Features**

Stylish streamline design  
Best choice for high-rise residential community  
Reliable electrical heater with thermal cut-out  
Suitable to be used in frost areas and harsh water areas  
Pressurized water tank with jacket - close loop circulation

**Benefits**

Reliable, low maintenance operation  
Always hot water on tap at any weather  
At least saving 60% of your water heating energy consumption  
Reduced energy use saves up to 3.2 tonnes of CO₂ emissions every year

---

### Balcony Pressurized Solar Water Heater  
**FS-SMJ Series**

**Model No.** | **FS-SMJ-80** | **FS-SMJ-100** | **FS-SMJ-120**  
--- | --- | --- | ---  
Circulation Type | Pressurized closed loop | Pressurized closed loop | Pressurized closed loop  
Tank capacity | 80L | 100L | 120L  
External dimension | Φ468*983mm | Φ468*1174mm | Φ468*1367mm  
Outer tank material | Prepaint galvanized steel | Prepaint galvanized steel | Prepaint galvanized steel  
Material of inner tank | Low carbon steel with vitreous enamel | Low carbon steel with vitreous enamel | Low carbon steel with vitreous enamel  
Max working pressure | 0.6 Mpa | 0.6 Mpa | 0.6 Mpa  
Electric booster | 1.5kw | 1.5kw | 1.5kw  
Heat exchanger | Jacket exchanger | Jacket exchanger | Jacket exchanger  
Model No. | FS-PBL95-1.6 | FS-PBL95-2.0 | FS-PBL95-2.3  
Dimension L x W x T | 1950 x 820 x 95mm | 2440 x 820 x 95mm | 2800 x 820 x 95mm  
Overall area | 1.6㎡ x 1pcs | 2.0㎡ x 1pcs | 2.3㎡ x 1pcs  
Absorber material | Full aluminum plate | Full aluminum plate | Full aluminum plate  
Absorber coating | Blue selective coating | Blue selective coating | Blue selective coating  
Welding | Laser welding | Laser welding | Laser welding  
Cover material | Low-iron tempered textured glass | Low-iron tempered textured glass | Low-iron tempered textured glass  
Frame material | Anodised aluminium alloy | Anodised aluminium alloy | Anodised aluminium alloy  
Insulation material | Fibre glass | Fibre glass | Fibre glass  
Piping connector | Φ22 | |  
Heat transfer medium | Propylene glycol and water mixture | |  
Material | Galvanized steel | |  
Bracket style | Balcony(75°) | |  
Circulation pipe material | Stainless steel corrugated pipe(Φ22mm) | |  
Compression fittings | Φ22mm*G3/4" | |  
One-way relief valves | 0.7Mpa | |  
Weight (empty) [kg] | 90 | 107 | 125  
Weight (filled) [kg] | 170 | 207 | 245

**How it works?**

In this Balcony system, a jacket is located at the water tank and connected to the absorber. The sun’s heat is transferred to a anti-freezing fluid in the collector and the heat is exchanged from collector to the jacket and heat the water in tank. In this case, the potable water supply is isolated from the absorber plate to prevent freezing and clogging. The supplementary energy is electric heater and if the water is not hot enough, the electric heater can work to ensure you always have hot water on tap.