

# Solar water heater Datasheet



## Technical Specification

### Water tank

Material of inner tank	SUS304-2B stainless steel
Inner tank thickness	<b>0.41mm</b>
Diameter of inner tank	Ø360mm
Material of outer tank	Colored steel
Outer tank thickness	0.35mm
Outer tank diameter	Ø460mm
Tank insulating layer	50mm high-density polyurethane foamed
Foam density	43kg/m <sup>3</sup> minimum
Heat preservation	72 hours
Material of tank cover	Galvanized steel 0.35mm
Holes of tank	Water inlet /Water outlet/Magnesium bar/Electrical heater
Tank welding	Argon arc welding

<b>Vacuum tube</b>	
Solar absorptance $\alpha$	$\leq 93\% \leq 96\%$ (MS)
Hemispherical emittance $\epsilon$	$< 4\% < 6\%$ (MS)
Surface treatment	CU/SS-ALN(H)/SS-ALN(L)/ALN
Type	three layers coated vacuum tube
Outer tube diameter	$\varnothing 58\text{mm}$
Inner Tube Diameter	$\varnothing 47\text{mm}$
Thickness of Glass Tube	1.6mm
Length	1800mm
<b>Frame</b>	
Material	Galvanized steel 1.5mm
Structure	Flexibility for flat or slope roof
Angle	45 degrees
Screw for bracket	SUS 304 stainless steel 8mm diameter
Tube holder	High quality rubber plastic tube holder
<i>Tech with Temperature!</i>	