

## SPECIFICATION OF SOLAR WATER HEATER

Capacity	Width (W) /mm	Length (L) /mm	Height (H) /mm
130L	1010	1990	355
200L	1535	1990	355
300L	2285	1990	355



### Technical Specification

#### Water tank

Material of inner tank	SUS304-2B
Inner tank thickness	1.2mm thickness
Diameter of inner tank	Ø360mm
Material of outer tank	Stainless steel 201
Outer tank thickness	0.31mm
Outer tank diameter	Ø460mm
Tank insulating layer	50mm high-density polyurethane foamed
Foam density	33kg/m <sup>3</sup> minimum
Heat preservation	72 hours
Material of tank cover	Stainless steel 201
Holes of tank	Water inlet /Water outlet
Tank welding	Argon arc welding

#### Vacuum tube

Solar absorptance $\alpha$	$\geq 96\%$ (MS)
Hemispherical emittance $\epsilon$	$< 4\%$ (MS)
Surface treatment	CU/SS-ALN(H)/SS-ALN(L)/ALN
Type	Three layers coated vacuum tube
Outer tube diameter	Ø58mm
Inner tube diameter	Ø47mm
Thickness of glass tube	1.6mm
Length	1800mm
Heat pipe	TU1 copper

#### Frame

Material	1.0mm stainless steel 201
Structure	Flat roof
Angle	15 degrees
Tube holder	High quality rubber plastic tube holder