

Solar Water Heater



Compact non-pressure solar water heater

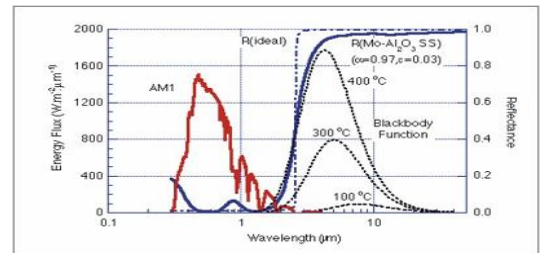
MODEL	VACUUM TUBE SIZE	TUBE COATING	TUBE QTY	VOLUME OF TANK (L)	AREA OF COLLECTOR	PRICE	
						USD	PHP
SSTR-1512Z	47mm*1500mm	C-S-AL	12	78	1.55	\$156.00	PHP 7,800.00
SSTR-1516Z	47mm*1500mm	C-S-AL	16	104	2.07	\$204.00	PHP 10,200.00
SSTR-1518Z	47mm*1500mm	C-S-AL	18	117	2.3	\$228.00	PHP 11,400.00
SSTR-1520Z	47mm*1500mm	C-S-AL	20	130	2.59	\$264.00	PHP 13,200.00
SSTR-1524Z	47mm*1500mm	C-S-AL	24	156	3.1	\$316.00	PHP 15,800.00
SSTR-1530Z	47mm*1500mm	C-S-AL	30	195	3.88	\$390.00	PHP 19,500.00
SSTR-1816Z	58mm*1800mm	C-S-AL	16	136	2.41	\$252.00	PHP 12,600.00
SSTR-1818Z	58mm*1800mm	C-S-AL	18	153	2.71	\$278.00	PHP 13,900.00
SSTR-1820Z	58mm*1800mm	C-S-AL	20	170	3	\$304.00	PHP 15,200.00
SSTR-1824Z	58mm*1800mm	C-S-AL	24	204	3.61	\$356.00	PHP 17,800.00
SSTR-1830Z	58mm*1800mm	C-S-AL	30	255	4.51	\$442.00	PHP 22,100.00
SSTR-1836Z	58mm*1800mm	C-S-AL	36	306	5.41	\$528.00	PHP 26,400.00

- Inner material of tank thickness: Stainless Steel SUS304-2B/0.4mm
- Outer material of tank thickness: Galvanized coated sheet/0.4mm
- Material of support thickness: Galvanized coated sheet/1.5mm

Vacuum Tube		
Specification	Length	Diameter
∅ 47-1500	1.5m	47mm
∅ 47-1600	1.6m	47mm
∅ 58-1800	1.8m	58mm



Three layer vacuum tube		
Specification	Length	Diameter
∅ 47-1500	1.5m	47mm
∅ 47-1600	1.6m	47mm
∅ 58-1800	1.8m	58mm



Three target coating tubes

Vacuum tubes assimilate the advanced 12 layers of sputtering deposition of trivalent element technology, high borosilicate glass, and gradual change of ALN/AIN-SS/CU selective complex absorptive coating. And these make vacuum tubes have high performance of absorption and low reflection ratio. Through the interlayer, vacuum has a unique effect of thermo, with its temperature up to 380 of idle sunning, performing a strong heating ability.

- Structure: all-glass double-tube co-axial structure
- Glass material: high borosilicate 3.3 glass
- External pipe diameter and thickness: $\Phi=47\pm 0.7\text{mm}$ & $=1.6\text{mm}$ $\Phi=58\pm 0.7\text{mm}$ & $=1.6\text{mm}$ $\Phi=70\pm 0.7\text{mm}$ & $=2.0\text{mm}$
- Internal pipe diameter and thickness: $\Phi=37\pm 0.7\text{mm}$ & $=1.6\text{mm}$ $\Phi=47\pm 0.7\text{mm}$ & $=1.6\text{mm}$ $\Phi=58\pm 0.7\text{mm}$ & $=2.0\text{mm}$
- Pipe length: 800mm 1200mm 1500mm
- Absorbing coating property
Structure: CU/SS-ALN(H)/SS-ALN(L)/ALN
Sediment method: 3 target magnetron sputtering plating
Specific absorption: $a_s=0.93\sim 0.96(\text{AM}1.5)$
Emission ratio: $\epsilon_h=0.04\sim 0.06(80\pm 5)$
Vacuum tightness: $P\leq 5.0\times 10^{-3}\text{Pa}$
Idle Sunning property parameters: $Y=260\sim 300\text{m}^2./\text{KW}$
Average heat loss coefficient: $\text{ULT}=0.4\sim 0.6\text{W}/(\text{m}^2.)$