

Specification of Solar Water Heater

S.N.	Parameter	Technical Specification	Remarks
1	The solar water heater must be composed of heat collector, storage tank and installation part		
2	Module design, arbitrary combination, harmony with the building perfectly		
3	Water heater must consist of		
4	Number of Tube	min 24	
5	Tube length	$\leq 1700\text{mm}$	
6	Absorber Area	≤ 2.680 meter square	
7	Pressure	min 1.2 Bar	
8		360 absorber(CPC reflector)	
9	Feature	High energy yield	
10		Easier and faster modular installation	
11	Technical Data of Tube		
12	Size of Condenser	min 14x75mm	
13	Length of tube	min 1700 <i>mm</i>	
14	Outer tube diameter	min 58mm	
15	Glass thickness	min 2.0mm	
16	Glass material	Borosilicate Glass 3.3	
17	Absorber material	Aluminum	
18	Absorptive coating	ALN/AIN-SS/CU	
19	Absorption coefficient	$>95\%$	
20	Emission coefficient	$<5\%$	
21	Vacuum	$P < 3.5 \times 10^{-3}$ Pa	
22	Freezing resistance	min -35C	
23	Stagnation temperature	$>220\text{C}$	
24	Net weight	min 2.21 Kg	
25	Hot water Output	min 10L	
26	Water Storages Capacity	More than 375L	
27	External Heating source	Electric Heating rod (Compatible to 220V AC, 50 Hz)	
28	Installation Facility	Supplier should provide complete installation	
29	Warranty	2 Yrs Replacement & 5 Yrs Service Warranty provided by OEM or Manufacturer, whichever is greater	

9/10/11 