



TECHNICAL SPECIFICATIONS - FLAT PLATE COLLECTOR

"BSI" Solar Flat Plate Collector

1	Type	
	Collector Size	2025mm x 1025mm x 95m
	Collector Frame	Aluminum Section 1.4 mm
	Finish	Powder Coat
	Glass retainer	Aluminum 1.2 mm
	Finish	Powder Coat
	Bottom Sheet	Aluminum 26 swg
	Fasteners	SS screw and Aluminium Rivets
2	Absorber	
	Fin	Copper
	Width of Fin	115mm
	Coating	Nalsun
	Absorber Area	2 Sq.m
3	Copper Header	
	Copper Header	Copper
	Header Thickness / O.D.	0.56mm / 25.4mm
	Riser	Copper 26 swg
	Bonding between Header & Raiser	Ultrasonic welding
4	Glass	4 mm Toughned
	Glass Beeding	EPDM
	Grommets	EPDM
	Flanges	Brass
5	Insulation	
	Bottom Insulation	Rock wool,50mm thick , 48kg/m3
	Side Insulation	25mm
	Thermal Conductivity	
	Reflective foil	0.5 micron
	Test Pressure	245kpa
	Collector Weight	39kg