



## TECHNICAL SPECIFICATIONS - FLAT PLATE COLLECTOR

"BSI" Solar Flat Plate Collector

<b>1</b>	<b>Type</b>	
	<b>Collector Size</b>	2025mm x 1025mm x 95m
	<b>Collector Frame</b>	Aluminum Section 1.4 mm
	<b>Finish</b>	Powder Coat
	<b>Glass retainer</b>	Aluminum 1.2 mm
	<b>Finish</b>	Powder Coat
	<b>Bottom Sheet</b>	Aluminum 26 swg
	<b>Fasteners</b>	SS screw and Aluminium Rivets
<b>2</b>	<b>Absorber</b>	
	<b>Fin</b>	Copper
	<b>Width of Fin</b>	115mm
	<b>Coating</b>	Nalsun
	<b>Absorber Area</b>	2 Sq.m
<b>3</b>	<b>Copper Header</b>	
	<b>Copper Header</b>	Copper
	<b>Header Thickness / O.D.</b>	0.56mm / 25.4mm
	<b>Riser</b>	Copper 26 swg
	<b>Bonding between Header &amp; Raiser</b>	Ultrasonic welding
<b>4</b>	<b>Glass</b>	3.2 mm(Textured Toughened)
	<b>Glass Beeding</b>	EPDM
	<b>Grommets</b>	EPDM
	<b>Flanges</b>	Brass
<b>5</b>	<b>Insulation</b>	
	<b>Bottom Insulation</b>	Rock wool,50mm thick , 48kg/m <sup>3</sup>
	<b>Side Insulation</b>	25mm
	<b>Thermal Conductivity</b>	
	<b>Reflective foil</b>	0.5 micron
	<b>Test Pressure</b>	245kpa
	<b>Collector Weight</b>	35kg