



CSTA **China Solar Thermal Alliance**

Green Products Catalog for Distributed and Centralized Heating



BTE *solar*



Product 1: BTE Flat Plate Solar Collector



► Technical parameters of Product 1

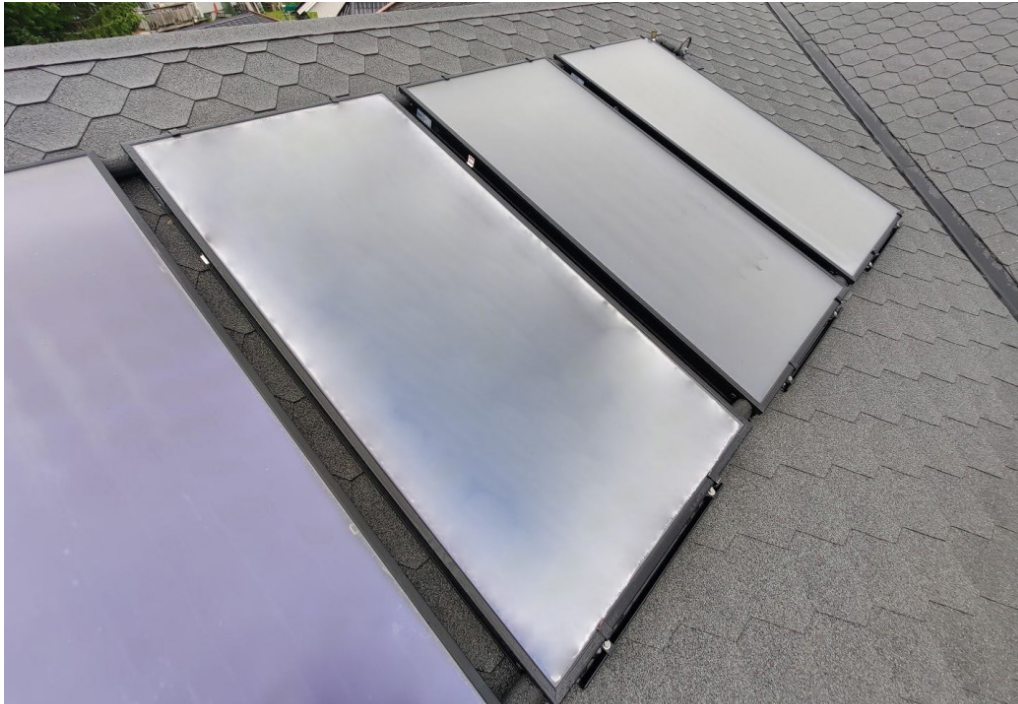
	Model No. & Specs	BTE2.0-2
Overall Data	Collector dimension(mm)	2000x1000x80
	Overall area (m ²)	2.0
	Aperture area (m ²)	1.88
Absorber	Header dimension(mm)	22mm
	Welding way	Laser welding
	Absorber coating	Blue Coating Film
	Riser Dimensions	10mm
	Working pressure	0.6Mpa
	Max. working pressure	1.0Mpa
	Absorber material	Aluminum plate + copper pipes
	Absorption	95%±2%
	Emittance	5%±2%

Model No. & Specs		BTE2.0-2
Insulation	Insulation material	Polyester fiber
	Insulation thickness(mm)	Back: 30mm; Side: 20mm
Glazing	Transmittance	92%
	Material	3.2mm tempered glass
Casing	Frame	Aluminum 6063-T5
	Back plate	Color Galvanized Plat
	Frame color	Black
	Sealing gasket	Integral Silicone glue
Overall weight	Net weight(kg)	30
Load qty	40 feet container	350 PCS
FOB price	40HC container	contact at cnste@vip.126.com

► **EU certifications: Solar Keymark and CE**



► **Product applications in Europe**

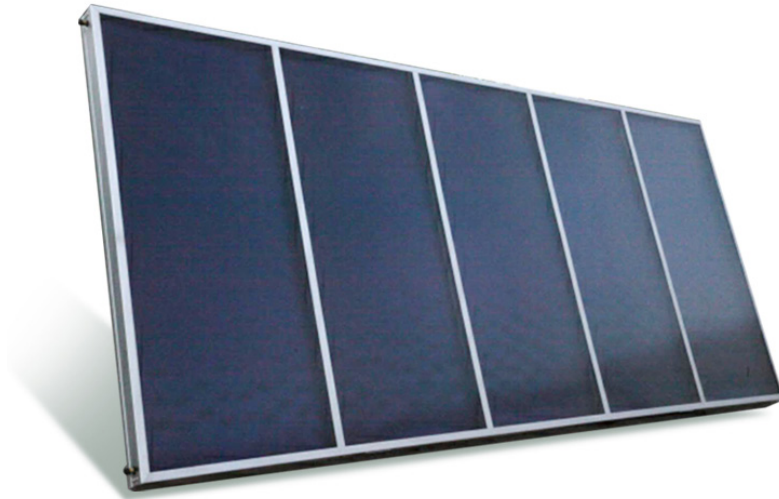


Household hot water system, Norway, 2020



Concentrated hot water supply system, France, 2021

Product 2: Large Flat Plate Solar Collector



► Technical parameters of Product 2

Model No. & Specs		P-G/0.60-T/L/L/10.50-150/1
Overall Data	Collector dimension(mm)	5030x2270x140
	Overall area (m ²)	11.43
	Aperture area (m ²)	10.5
Absorber	η_a	79%
	Output	8178W
	Welding way	Laser welding
	Absorber coating	Blue Coating Film
	Working pressure	0.6Mpa
	Max. working pressure	1.0Mpa
	Absorber material	Aluminum plate + copper pipes
	Absorption	95%±2%
	Emittance	5%±2%
	Casing	Frame
Back plate		Color Galvanized Plat
Frame color		Black/silver
Sealing gasket		Integral Silicone glue
Load qty	40 feet container	30 PCS
FOB price	40HC container	contact at cnste@vip.126.com

Product 3: Compact Solar Water Heater




► **Technical parameters**

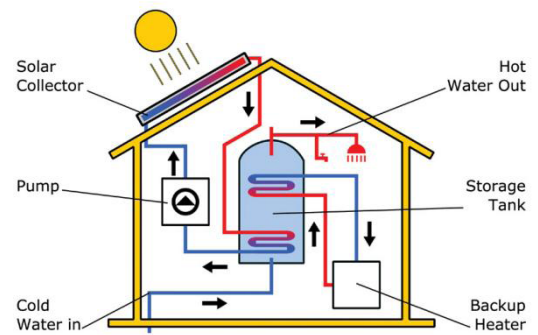
Flat plate collector	PJF - 300L
Quantity (pcs)	2
Collector dimension	2000 x 1000 x 80 mm
Absorber Area(m ²)	3.74
Header tube	Φ22 mm
Riser Tube	Φ10 mm
Welding	Laser welding
Absorber coating	Blue Coating
Insulation material	Polyester fiber
Material	3.2mm Low iron tempered textured glass
The rated pressure	0.6MPa
Frame color	Black

Water Tank	Insulation	Polyurethane in 50mm
	Inner tank	SUS316, 1.2 mm
	The rated pressure	<0.7Mpa
	Electrical Heater	2KW
	Outside material	Color-coated sheet
	Controller	SR609C
Support	Collector support	Galvanized sheet 1.5 mm, angel 30°
Load qty	40 feet container	58 PCS
FOB price	40HC container	contact at cnste@vip.126.com

► **EU certifications: CE**



Product 4: Split Solar Heat System



► Specification of Flat Collector

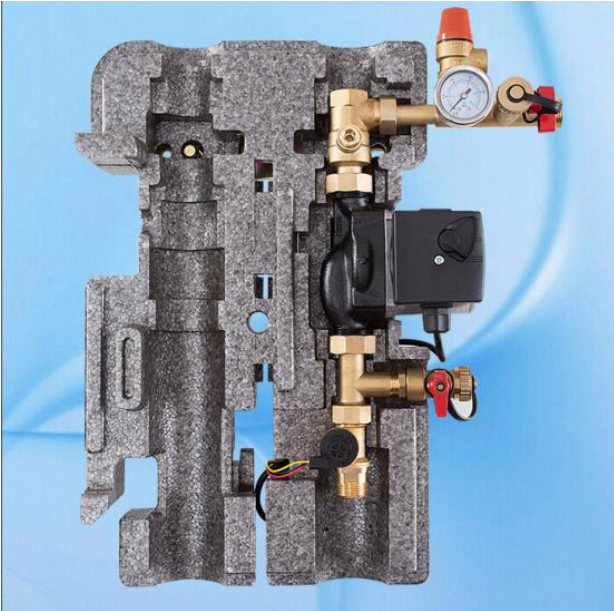
Name	Specification	SPJF -200L	SPJF -300L	SPJF-500
Flat plate collector	Quantity (pc)	2	3	5
	Collector dimension(mm)	2000 x 1000 x 80 mm		
	Header tube(mm)	Φ 22 mm		
	Riser tube(mm)	Φ 8 mm		
	Welding	Laser welding		
	Absorber coating	Blue Coating		
	Absorbance	95%±2%		
	Emissivity	5%±2%		
	Insulation material	Fiber glass + polyester fiber		
	Material	3.2 mm Low iron tempered textured glass		
	Transmittance	92%		
	The rated pressure	0.6 MPa		
	Frame color	Black		

► **Specification of water tank**

Water Tank	200L	300L	500L
Dimension	Φ 550*1340mm	Φ 580*1700mm	Φ 700*1845mm
Insulation	Polyurethane in 50 mm		60mm
Inner tank	SUS 316L, 1.5±0.1 mm		SUS 316L, 2.0±0.1 mm
The rated pressure	<0.6 Mpa		
Electrical Heater	1.5 kw	2 kw	2 kw
SUS 316L coil	Φ 16 mm		
Outside material	Color coated steel, 0.4 mm thickness		

► **Specification of workstation**

Workstation system	Workstation system	SR11L for single pipeline with conventional pump
	Controller	Integrated solar controller SR258
	Pump	Grundfos water pump (220 V)
	expansion tank	12 L
	Accessories	Safety valve, check valve, pressure gauge
	Max. permitted pressure	6 bar
	Max. permitted operating temperature	120°C
	Digital flow rate FRT	1-20L/Min
	Fitting	Brass
	Seals	PTFE
	Insulation	EPP, λ= 0.041W/ (m.K)
	Size	450 mm*350 mm*158 mm



300L system		
Load qty	40 feet container	48 PCS
FOB price	40HC container	contact at cnste@vip.126.com

► **EU certifications**

Flat Collector and workstation passed CE certification.

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