

# Split Pressurized(Vacuum Tube) Solar Water Heating Systems

## 1.1 Brief introduction

Jinyi split solar water heater is an active system, because it uses a pump with a controller to circulate the fluid in the system. Storage tank and solar collector are separate, while the collector is integrated in to the roof of the building, the tank and the pump station can installed anywhere in the building. The piping between the main components is made of copper and a special insulation with high temperature resistance for solar systems. This system is especially designed for cold area(even -45°C) and villa. Now, the split pressurized solar water heater is more and more accepted for Energy-Saving in the world.

## 1.2 Advantages of Jinyi split solar water heating:



- 1) Cut out your energy bills  
Hot water heating (on average) accounts for 26% of your Annual energy bill. With a Jinyi solar water heater you could generate enough solar energy to heat 70% of your hot water, **FREE**, year after year!
- 2) Flexible choice of solar collector according to different area, climate and system-budget.
- 3) System capacity available: 150L/200L/250L/300L/400L/500L.
- 4) There have an auxiliary heating--electric heater booster in the tank, so providing hot water in case of cloudy or rainy days, you will no need to worry about it.
- 5) No disorder water tank on your roof, integrated into the roof of the building perfectly.
- 6) The perfect solar collector for domestic hot water heating system can be combined with existing energy source, such as your gas/electric water heater, boiler, stoven, cylinder. etc.
- 7) Completely automatic operation via a pumpstation.

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Addr.: RM.31, 4/F,  
Energy-Saving Trade Building,  
Jiaxing City, Zhejiang Province,  
P.R.China.  
e-mail: [holy@jinyi-solar.com](mailto:holy@jinyi-solar.com)

Tel: 86-573-8284 8871  
Fax: 86-573-8284 8893  
Cell: 86-137 3688 9676  
MSN: [holybaggio@hotmail.com](mailto:holybaggio@hotmail.com)  
Skype: holy.baggio



**Jiaxing Jinyi Solar Energy Technology Co., Ltd.**

[www.jinyi-solar.com](http://www.jinyi-solar.com)

### 1.3 Jinyi Vacuum Tube split solar water heating system



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Cell: 86-137 3688 9676  
MSN: [holybaggio@hotmail.com](mailto:holybaggio@hotmail.com)  
Skype: holy.baggio

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**With 1 Copper Coil inside Water Tank system (JSH1)**

<b>Model</b>		<b>JSH1-150-18</b>	<b>JSH1-200-24</b>	<b>JSH1-300-36</b>	<b>JSH1-400-48</b>	<b>JSH1-500-60</b>
Tank	Capacity	150L	200L	300L	400L	500L
	Copper Coil	<b>1 PCS</b>				
	Inner tank (thickness)	SS304-2B 1.2 mm	SS304-2B 1.5 mm	SS304-2B 1.5 mm	SS304-2B 2 mm	SS304-2B 2 mm
	Outer tank	Color steel 0.55mm	Color steel 0.55mm	Color steel 0.55mm	Color steel 0.55mm	Color steel 0.55mm
	Tank size	Φ47×144 cm	Φ56×125 cm	Φ56×181 cm	Φ70×154 cm	Φ70×185 cm
	Weight	44 kg	55 kg	66 kg	80 kg	96 kg
	Electric Heater	1.5 KW	2 KW	2 KW	3 kw	3 kw
Vacuum tube Solar collector	Collector model	JHC-58/18-18	JHC-58/18-24	JHC-58/18-18	JHC-58/18-24	JHC-58/18-20
	QTY of collector	1	1	2	2	3
	Absorber area	1.46 m <sup>2</sup>	1.94 m <sup>2</sup>	(1.46×2) m <sup>2</sup>	(1.94×2) m <sup>2</sup>	(1.62×3) m <sup>2</sup>
	Casing&frame material	Powder coated Aluminum Alloy				
	Inlet& Outlet size	3/4"				
	Tube Coating	ALN/AIN-SS-CU selective absorber coating				
Pump station	Pump	Wilo circulation pump				
	Controller	3 temperature sensor				
	Expansion vessel	5 L	8 L	12 L	18 L	24 L
Container (sets)	20'/40'/40' HQ	38/80/88	31/62/74	21/44/50	17/36/40	14/28/31

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 Cell: 86-137 3688 9676  
 MSN: holybaggio@hotmail.com  
 Skype: holy.baggio

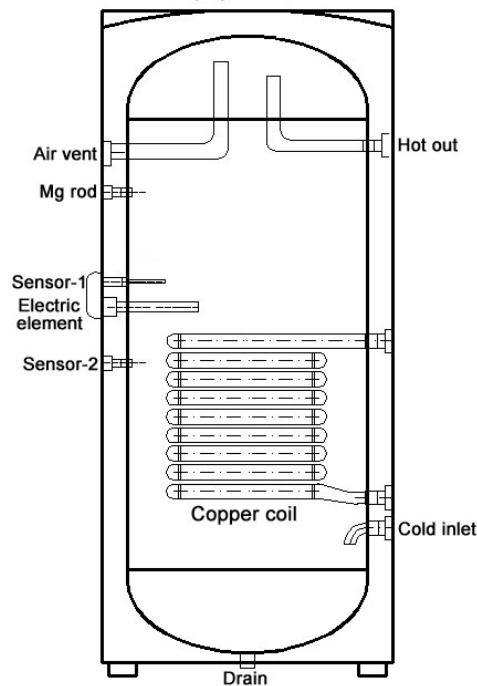


### JSH1 Series

#### Pressure Tank Drawing

(1coil)

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**Trust us as long as the sun rises!**

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Skype: holy.baggio

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