

PLUS
Plus 100



PRO
Pro 150 Pro 300



SunnytechTM Pro
Integrate Pressurized system with pressurized tank, heat pipes and electric backup controller.

Split System
Smart 200 Smart 300 Smart 500



Type	Pre-heated pressure solar water heater (SP-H)	Pressurized solar water heater (SP-H)	Heat pipe evacuated solar collector (SC-H)		
Capacity	100L	150 300	200	300	500
Suitable for # of people	2 to 3	3 to 4 5 to 8	4 to 5	5 to 8	8 to 13
Intelligent Controller	Yes	Yes	Yes (Solar Station)		
Power electrical back-up (kW)	1 to 3	1 to 3	1 to 3		

Solar collector

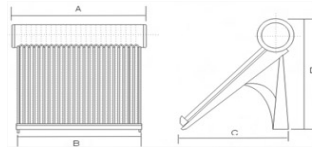
Vaccum Tubes model	Evacuated tube (with water)	Copper Heat pipe (without water)		Copper Heat pipe (without water)	
Size tubes mm	58*1800	58*1800		58*1800	
Number of tubes	10	15	30	20	30 50
Tubes weighth kg	2.6	2.6		2.6	
Tubes total weighth kg	26	39	78	52	78 130
Frame weighth					
Total weighth Tubes+Frame		70		103 172	
Header/heat pipe	Borosilicate glass 3.3	Red copper (TU1)		Red copper (TU1)	
Tube material	High-Borosilicate glass 3.3	High-Borosilicate glass 3.3		High-Borosilicate glass 3.3	
Coating of tube	SS-Al-Nx/Cu	SS-Al-Nx/Cu		SS-Al-Nx/Cu	
Interval of tube (mm)	75	75		75	
Outer diameter header pipe (mm)	22	22		22	
Inner diameter header pipe (mm)	20	20		20	
Manifold casing material	Aluminum alloy	Aluminum alloy		Aluminum alloy	
Sealing material	EPDM	EPDM		EPDM	
Operating pressure (Mpa)	0.6	0.6		0.6	
Absorber Area (m2)	0.10	1.0	1.5 3.0	2.0	3.0 5.0
Aperture (m2)	0.08	0.8	1.2 2.4	1.6	2.4 4.0
Working Pressure (Mpa)	0.6	0.6		0.6	
Frame material	Thicker Galvanized Steel	Thicker Galvanized Steel		Thicker Galvanized Steel	
Frame Depth (cm)	1770	1770		1770	
Frame Width (cm)	785	1160	2285	1535	2285

Tank

Pressure tank	No	Yes	Yes		
Material	Stainless steel tank SUS304-2B Insulation Layer 55mm Polyurethane foam.	Stainless steel tank SUS304-2B Insulation Layer 55mm Polyurethane foam.	Out Tank color steel plate (thickness 0.53mm) Inner tank SUS304-2B (Thickness 1.2-1.5 mm)		
Number of coils	Heat exchanger by copper coil	0	1-Feb		
Tank weight full (kg)	150	239 368	243	355	572
Diameter (mm)	N/A	50	510	600	750
Height (mm)	N/A	1385	2510	1770	1792 1740

All System

A	N/A	1385	2510	N/A	N/A	N/A
B	N/A	1185	2310	N/A	N/A	N/A
C	N/A	1550	1550	N/A	N/A	N/A
D	N/A	1720	1720	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A



Expansion Tank

Size	Only for split system	Only for split system	8	12	18
Price					
2014	IDR 11,200,000	IDR 17,000,000 IDR 27,000,000	IDR 28,000,000	IDR 37,000,000	IDR 52,000,000
Service Life	10-12 Years (extensible to 20 years)	10-15 Years (extensible to 20 years)	10-15 Years (extensible to 20 years)		
Payoff period	4 to 5 years	3 to 5 years	3 to 5 years		

Guarantee

Tank	3 Years	3 Years	3 Years
Tubes	5 Years	5 Years	5 Years
Controller	1 Years	1 Years	1 Years

Advantages

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|--|---|---|
| <ul style="list-style-type: none"> * Completely automatic; * Simple structure, easy plug-in installation | <ul style="list-style-type: none"> * Completely automatic; * No water inside the tube, the system can still in service even with several tubes breakage; * Simple structure, easy plug-in installation; * No need to check the cold water pressure; | <ul style="list-style-type: none"> * Completely automatic; * No disorder water tank on the roof; * System can be combined with existing energy source, such as a gas heater, electric water heater, boiler etc; * No water inside the tubes, system can still in service even several tubes breakage; * 70%-90% of hot water FREE. |
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