



HAINING YINUO ELECTRIC CO., LTD

ADDRESS: Zhongle Village, Xieqiao Town, Haining City, Zhejiang Province, China

TEL: 86-0573-87706600

FAX: 86-0573-87218666

EMAIL: sales3@inlightsolar.com

Skype: inlightsolar3

MSN:inlightsolar3@hotmail.com

PHOTO



Parts & Specification (Closed-loop System with single heat-exchange coil):

1. **Inner Storage Tank:** Food-grade stainless steel SUS304-2B 1.5-2.0mm (150-300L), 2.0-2.5mm (400-1000L)
2. **Heat-exchange Coil:** Single heat-exchange copper coil $\Phi 12 \times 1.0$ mm
3. **Tank Exterior Shell:** High-quality white coated color steel 0.5-0.6mm
4. **Tank Insulation:** High-density polyurethane integrated foam-forming with lasting heat preservation
5. **Vacuum Tube:** Three-target vacuum tube, anti-freezing heat pipe, Aluminum fin and heat-resisting silicon seal
6. **Heat-pipe Manifold:** Red copper header $\Phi 35 \times 1.0$ mm, Aluminum alloy shell 2mm, high-density rock wool insulation
7. **Solar Pump Station & Expansion vessel:** Single pipeline pump station SP106, high pressure expansion vessel 5L-24L
8. **Collector Bracket:** Gray/ black aluminum alloy 1.8mm, universal bracket suitable for slope/ flat roof or wall installation
9. **Accessories:** Thermostat electrical heater with regulator, Anode magnesium, T/P & Safety valve, copper connectors
10. **Rated Working Pressure:** 6.0 Bar
11. **Anti-freezing Weather:** $< (-)40^{\circ}\text{C}$

Item No.	Heat Pipe Solar Collectors		Aperture Area	SUS304 Tank	Pump Station	Expansion Vessel	Container Loading Sets			USD/SET FOB SHANGHAI
	Item No.	Panels					20GP	40GP	40HQ	
ILSP1-150-15HP	ILHC-5815H-F	1 Pcs	1.4 m ²	150L	SP106	EV5	38	77	93	761.9
ILSP1-150-18HP	ILHC-5818H-F	1 Pcs	1.68 m ²	150L	SP106	EV5	36	71	86	795.9
ILSP1-200-20HP	ILHC-5820H-F	1 Pcs	1.87 m ²	200L	SP106	EV8	30	60	73	880.6
ILSP1-200-24HP	ILHC-5824H-F	1 Pcs	2.24 m ²	200L	SP106	EV8	29	59	71	932.6
ILSP1-250-25HP	ILHC-5825H-F	1 Pcs	2.34 m ²	250L	SP106	EV8	25	50	61	978.6
ILSP1-250-30HP	ILHC-5830H-F	1 Pcs	2.8 m ²	250L	SP106	EV8	24	48	59	1043.6
ILSP1-300-30HP	ILHC-5830H-F	1 Pcs	2.8 m ²	300L	SP106	EV12	22	44	53	1098.6
ILSP1-300-36HP	ILHC-5818H-F	2 Pcs	3.37 m ²	300L	SP106	EV12	20	40	49	1176.6
ILSP1-400-40HP	ILHC-5820H-F	2 Pcs	3.74 m ²	400L	SP106	EV18	17	33	40	1364.3
ILSP1-400-48HP	ILHC-5824H-F	2 Pcs	4.49 m ²	400L	SP106	EV18	16	33	40	1468.3
ILSP1-500-50HP	ILHC-5825H-F	2 Pcs	4.67 m ²	500L	SP106	EV24	14	28	35	1573.1
ILSP1-500-60HP	ILHC-5830H-F	2 Pcs	5.61 m ²	500L	SP106	EV24	14	27	33	1703.1
ILSP1-1000-120HP	ILHC-5830H-F	4 Pcs	11.2 m ²	1000L	SP106	EV24*2	6	13	16	3475.8



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1. Pressurized Heat-pipe Solar Collector

PHOTO		Parts & Specification:								
		1. Direct-flow Header: High quality red copper $\Phi 35 \times 1.0\text{mm}$, inlet & outlet $\Phi 22\text{mm}$								
		2. Manifold Shell: High-quality black/ gray aluminum alloy 2mm								
		3. Insulation: High-density compression-moulded rock wool 50mm								
		4. Heat-pipe Tube: Three-target coated vacuum tube, $\Phi 14$ condensor copper heat pipe, Aluminum fin, silicon tube seal								
		5. Mounting Frame: Black/ gray aluminum alloy 1.8mm, universal bracket suitable for roof or exterior wall installation								
		6. Accessories: Thermal paste, copper connectors, Stainless fasteners, Heat-resisting rubber seal, adjustable tube holder								
		7. Test Pressure: 11.0 Bar								
		8. Collector Tilt Angle: $20^\circ \sim 90^\circ$ (Vertical/ horizontal shift: $-5^\circ / -5^\circ$)								
		9. Hail Resistance: $\geq \Phi 25 \text{ mm}$ (Tilt angle $\geq 40^\circ$)								
		10. Anti-freezing: (-) 40°C								
Item No.	Solar Heat-pipe Tube		Aperture Area	Collector Size L*W	Fluid Liter	Container Loading Sets			USD/ SET FOB SHANGHAI	
	Tube Nos.	Tube Size (D*L)				20GP	40GP	40HQ		
ILHC-5812H-F	12	$\Phi 58 \times 1800\text{mm}$	1.12 m ²	1950*960mm	0.8L	162	324	394	164.00	
ILHC-5815H-F	15	$\Phi 58 \times 1800\text{mm}$	1.4 m ²	1950*1185mm	0.9L	134	268	325	200.00	
ILHC-5818H-F	18	$\Phi 58 \times 1800\text{mm}$	1.68 m ²	1950*1410mm	1.1L	105	210	255	234.00	
ILHC-5820H-F	20	$\Phi 58 \times 1800\text{mm}$	1.87 m ²	1950*1560mm	1.2L	88	175	213	260.00	
ILHC-5824H-F	24	$\Phi 58 \times 1800\text{mm}$	2.24 m ²	1950*1860mm	1.5L	82	165	200	312.00	
ILHC-5825H-F	25	$\Phi 58 \times 1800\text{mm}$	2.34 m ²	1950*1935mm	1.6L	76	153	186	325.00	
ILHC-5830H-F	30	$\Phi 58 \times 1800\text{mm}$	2.8 m ²	1950*2310mm	1.8L	68	136	165	390.00	



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2. Pressurized Water Storage Tank (With Single Heat-exchange Coil)



(1) **Inner storage tank:** Stainless SUS304-2B/ SUS316L 1.5-2.0mm (100-300L), 2.0-2.5mm (400-1000L)

(2) **Single heat-exchange coil:** High-quality copper coil Φ12X1.0mm

(3) **Tank shell:** High-quality white coated color steel plate 0.5-0.6mm

(4) **Tank insulation:** High-density polyurethane integrated foam-forming 50-100mm

(5) **Accessories:** Thermostat electrical heater with regulator, Anode magnesium, T/P valve, Relief valve

PHOTO	Item No.	Tank Size	Storage Tank	Tank Liter	Insulation Thickness	Container Loading Sets			USD/ SET FOB SHANGHAI	
						20GP	40GP	40HQ		
	PT1-304/150	Φ470*1460mm	SUS304	150L	50mm	58	117	142	303.42	
	PT1-304/200	Φ550*1360mm	SUS304	200L	50mm	49	98	119	360.25	
	PT1-304/250	Φ580*1450mm	SUS304	250L	50mm	40	80	97	393.25	
	PT1-304/300	Φ580*1710mm	SUS304	300L	50mm	35	69	84	442.75	
	PT1-304/400	Φ700*1580mm	SUS304	400L	60mm	29	57	69	572.92	
	PT1-304/500	Φ700*1890mm	SUS304	500L	60mm	24	48	58	648.08	
	PT1-304/1000	Φ1000*2100mm	SUS304	1000L	100mm	11	22	26	1604.17	
	PT1-316/150	Φ470*1450mm	SUS316	150L	50mm	58	117	142	343.75	
	PT1-316/200	Φ550*1340mm	SUS316	200L	50mm	49	98	119	400.58	
	PT1-316/250	Φ580*1450mm	SUS316	250L	50mm	40	80	97	442.75	
	PT1-316/300	Φ580*1700mm	SUS316	300L	50mm	35	69	84	506.92	
	PT1-316/400	Φ700*1560mm	SUS316	400L	60mm	29	57	69	651.75	
	PT1-316/500	Φ700*1890mm	SUS316	500L	60mm	24	48	58	739.75	
	PT1-316/1000	Φ1000*2100mm	SUS316	1000L	100mm	11	22	26	1714.17	



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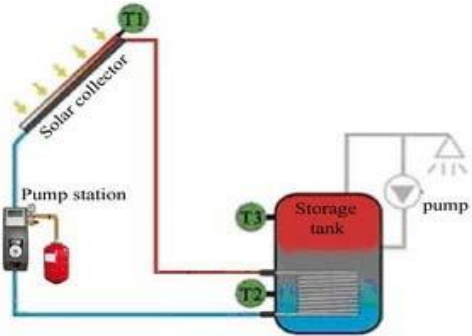

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3. Solar Pump Station & Expansion Vessel (More pump stations: <http://www.inlightsolar.com/productxl.php?id=1000034>)

Solar Pump Station	Item No.	SP106			USD/SET FOB SHANGHAI		238.3
	Specification:	1. Dimension: 465×165×113mm 2. Power supply: AC 200V~240V/100V~120V 3. Self power consumption: ≤ 3W 4. Measuring accuracy of temperature: ±1℃ 5. Tank temperature measuring: 0℃- 99℃ 6. Safety valve respond pressure: 0.6 MPa			7. WILO pump model: RS15/6 8. Internet port: 1 x RJ45 9. Inputs: 1 x Pt1000 sensor ≤ 500℃, for collector, silicon cable ≤ 280℃ 2 x NTC10K sensor ≤ 135℃, for tank, PVC cable ≤ 105℃ 10. Outputs: 1 x Auxiliary heating output Max. load current: 12A 3 x Relay output Max. load current: 3A 11. Water-proof grade: IP40		
	Main Functions:	1. Time display 2. Temperature difference circulation 3. Storage tank overheating protection 4. Collector overheating protection 5. Frost protection of pipeline and collector 6. Three periods of hot water loop circulation			7. System pressure display 8. Three periods of auxiliary heating 9. Flow rate adjustment 10. Holiday function 11. Different solar system choice 12. Anti-bacteria protection 13. Anti-dry heating Protection		
Expansion Vessel	Item No.	Capacity	Diameter	Height	Max. Pressure	Calibre	USD/SET FOB SHANGHAI
	EV5	5L	168mm	343mm	10 bar	3/4 inch	20.2
	EV8	8L	213mm	343mm	10 bar	3/4 inch	22
	EV12	12L	263mm	273mm	10 bar	3/4 inch	27.5
	EV18	18L	273mm	403mm	10 bar	3/4 inch	33
	EV24	24L	273mm	468mm	10 bar	3/4 inch	36.7