

THINK

GREEN

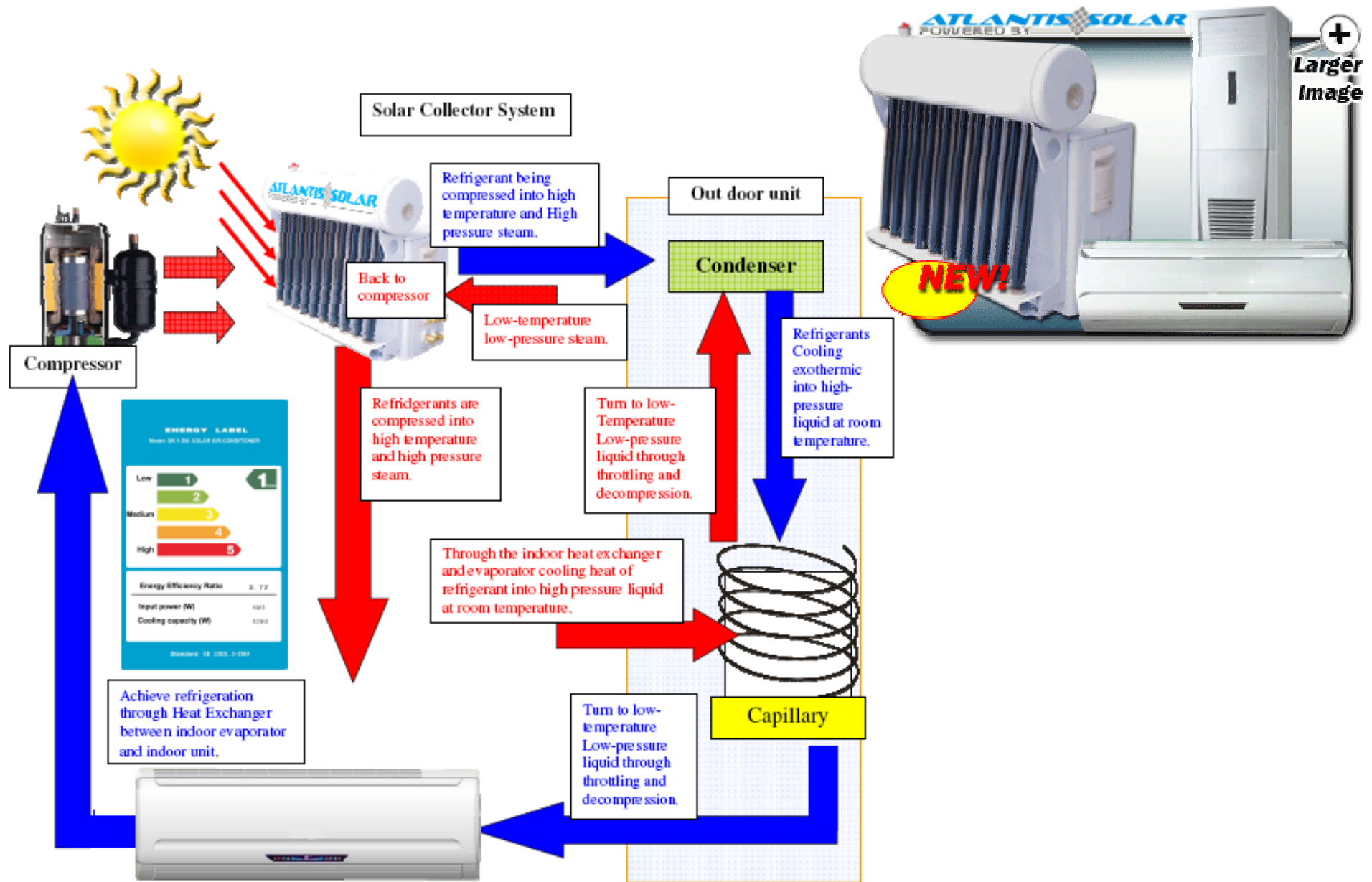




Solar Air Conditioner

- Energy efficient
- State of the art
- Intelligent technology driven
- Environmentally and user friendly
- Exceptional quality
- Built to last in an ever changing environment
- A price everyone can afford.





How does our solar air-conditioner save energy?

Test - Electricity saving compare with conventional type AC

COOLING	Electricity Consuming	Electricity Saving (%)
Conventional type 1.5 HP	1260W	48.4%
Solar Air-Conditioner SK- 1.5 (W, D)	650W	
Conventional type 2 HP	1890W	55%
Solar Air-Conditioner SK- 2 (F, C, D)	850W	
Conventional type 3 HP	2650W	62.3%
Solar Air-Conditioner SK- 3 (F, C, D)	1000W	
Conventional type 5 HP	4600W	62%
Solar Air-Conditioner SK- 5 (F, C, D)	1750W	

HEATING	Electricity Consuming	Electricity Saving (%)
Conventional type 1.5 HP	1960W	31.1%
Solar Air-Conditioner SK- 1.5 (W, D)	1350W	
Conventional type 2 HP	3390W	30.7%
Solar Air-Conditioner SK- 2 (F, C, D)	2350W	
Conventional type 3 HP	4150W	39.8%
Solar Air-Conditioner SK- 3 (F, C, D)	2500W	
Conventional type 5 HP	7600W	37.5%
Solar Air-Conditioner SK- 5 (F, C, D)	4750W	

ELECTRICITY SAVING
(based on 9 months cooling @ 0.1\$/KWh)

COOLING

		Solar A/C	Conventional type	Saving
SK-1.5 (W, D)	Electricity consuming per year (KW)	4225	8190	3965
	Electricity cost per year	US\$422.50	US\$819.00	US\$396.50
SK-2 (F, C, D)	Electricity consuming per year (KW)	5525	12285	6760
	Electricity cost per year	US\$552.50	US\$1228.50	US\$676.00
SK-3 (F, C, D)	Electricity consuming per year (KW)	6500	17225	10725
	Electricity cost per year	US\$650.00	US\$1722.50	US\$1072.50
SK-5 (F, C, D)	Electricity consuming per year (KW)	11375	29900	18525
	Electricity cost per year	US\$1137.50	US\$2990.00	US\$1852.5

ELECTRICITY SAVING
(based on 3 months heating @ 0.1\$/KWh)

HEATING

		Solar A/C	Conventional type	Saving
SK-1.5 (W, D)	Electricity consuming per year (KW)	2835	4116	1281
	Electricity cost per year	US\$283.50	US\$411.60	US\$128.10
SK-2 (F, C, D)	Electricity consuming per year (KW)	4935	7119	2184
	Electricity cost per year	US\$493.50	US\$711.90	US\$218.40
SK-3 (F, C, D)	Electricity consuming per year (KW)	5250	8715	3465
	Electricity cost per year	US\$525.00	US\$871.50	US\$346.50
SK-5 (F, C, D)	Electricity consuming per year (KW)	9975	15960	5985
	Electricity cost per year	US\$997.50	US\$1596.00	US\$598.50

Total Saving per year

SK-1.5
(W, D)

Electricity saved per year
(KW)

5246

Electricity cost saved per
year

US\$524.60

SK-2
(F, C, D)

Electricity saved per year
(KW)

8944

Electricity cost saved per
year

US\$894.40

SK-3
(F, C, D)

Electricity saved per year
(KW)

14190

Electricity cost saved per
year

US\$1419.00

SK-5
(F, C, D)

Electricity saved per year
(KW)

24510

Electricity cost saved per
year

US\$2451.00

Model No.	Horse Power /Ton	Cooling Input	Cooling Power	Cooling Area Covering	Heating Input	Heating Power	Heating Area Covering
SK-1.5W (wall split)	1.5HP/1TON	650W	3500W	15m ² -27m ²	1350W	3900W+700W	15m ² -27m ²
SK-2F (floor standing)	2HP/1.35TON	850W	5000W	25m ² -38m ²	2350W	5500W+1500W	25m ² -39m ²
SK-3F (floor standing)	3HP/2TON	1000W	7000W	35m ² -54m ²	2500W	7800W+1500W	35m ² -52m ²
SK-5F (floor standing)	5HP/3.35TON	1750W	1200W	45m ² -92m ²	4750W	13500W+1800W	48m ² -85m ²
SK-2C (cassette series)	2HP/1.35TON	850W	5000W	25m ² -38m ²	2350W	5500W+1500W	25m ² -36m ²
SK-3C (cassette series)	3HP/2TON	1000W	7000W	35m ² -53m ²	2500W	7800W+1500W	35m ² -52m ²
SK-5C (cassette series)	5HP/3.35TON	1750W	12000W	45m ² -92m ²	4750W	13500W+1800W	48m ² -83m ²
SK-1.5D (inner duct series)	1.5HP/1TON	650W	3500W	15m ² -27m ²	1350W	3900W+700W	15m ² -27m ²
SK-2D (inner duct series)	2HP/1.35TON	850W	5000W	25m ² -38m ²	2350W	5500W+1500W	25m ² -36m ²
SK-3D (inner duct series)	3HP/2TON	1000W	7000W	35m ² -53m ²	2500W	7800W+1500W	35m ² -50m ²
SK-5D (inner duct series)	5HP/3.35TON	1750W	12000W	45m ² -92m ²	4750W	13500W+1800W	48m ² -83m ²

Model No.	BTU	COP	EER	Solar collector size	Outdoor A/C part size	Indoor A/C part size
SK-1.5W (wall split)	12000	5.41	18.46	1720mm*830mm *315mm	820mm*540mm*320mm	815mm*284mm*222mm
SK-2F (floor standing)	18000	6.21	21.18	1720mm*830mm *315mm	920mm*600mm*355mm	480mm*290mm*1715mm
SK-3F (floor standing)	27000	7.91	27	1800mm*1170mm *315mm	920mm*730mm*357mm	540mm*305mm*1785mm
SK-5F (floor standing)	45000	7.54	25.72	1800mm*1720mm *315mm	920mm*1320mm*370mm	540mm*305mm*1785mm
SK-2C (cassette series)	18000	6.21	21.18	1720mm*830mm *315mm	920mm*600mm*355mm	650mm*650mm*285mm
SK-3C (cassette series)	27000	7.91	27	1800mm*1170mm *315mm	920mm*730mm*357mm	950mm*950mm*270mm
SK-5C (cassette series)	45000	7.54	25.72	1800mm*1720mm *315mm	980mm*1320mm*370mm	950mm*950mm*310mm
SK-1.5D (inner duct series)	12000	5.41	18.46	1720mm*830mm *315mm	820mm*540mm*320mm	955mm*470mm*240mm
SK-2D (inner duct series)	18000	6.21	21.18	1720mm*830mm *315mm	920mm*600mm*355mm	1015mm*575mm*245mm
SK-3D (inner duct series)	27000	7.91	27	1800mm*1170mm *315mm	920mm*730mm*357mm	1345mm*575mm*245mm
SK-5D (inner duct series)	45000	7.54	25.72	1800mm*1720mm *315mm	920mm*1320mm*370mm	1655mm*575mm*245mm

Model	Indoor noise db (A)	Outdoor noise db (A)	Installation Area	
			Solar collector	Outdoor A/C
SK-1.5W (wall split)	<41	<52	1720mm*830mm	820mm*540mm
SK-2F (floor standing)	<46	<57	1720mm*830mm	920mm*600mm
SK-3F (floor standing)	<52	<60	1720mm*1170mm	920mm*730mm
SK-5F (floor standing)	<55	<64	1800mm*1720mm	980mm*1320mm
SK-2C (cassette series)	<48	<57	1720mm*830mm	920mm*600mm
SK-3C (cassette series)	<52	<60	1720mm*1170mm	920mm*730mm
SK-5C (cassette series)	<55	<64	1800mm*1720mm	980mm*1320mm
SK-1.5D (inner duct series)	<38	<50	1720mm*830mm	820mm*540mm
SK-2D (inner duct series)	<45	<52	1720mm*830mm	920mm*600mm
SK-3D (inner duct series)	<54	<62	1720mm*1170mm	920mm*730mm
SK-5D (inner duct series)	<60	<65	1800mm*1720mm	980mm

Connect Pipe Information:

1. Pipe material: Copper

2. Pipe outside diameter

	SK-1.5 (W, D)	SK-2 (F, C, D)	SK3- (F, C, D)	SK5- (F, C, D)
Compressor to heat exchanger	8mm	8mm	8mm	9.52mm
Heat exchanger to Condenser	9.52mm	9.52mm	9.52mm	9.52mm
Condenser to throttling valve	9.52mm	9.52mm	9.52mm	9.52mm
Evaporator to compressor	9.52mm	9.52mm	9.52mm	12.7mm

3. Pipe wall thickness

	SK-1.5 (W, D)	SK-2 (F, C, D)	SK3- (F, C, D)	SK5- (F, C, D)
Compressor to heat exchanger	0.8mm	0.8mm	0.8mm	0.8mm
Heat exchanger to Condenser	0.7mm	0.7mm	0.7mm	0.7mm
Condenser to throttling valve	0.7mm	0.7mm	0.7mm	0.7mm
Evaporator to compressor	0.7mm	0.7mm	0.7mm	0.7mm

4. Pipe diameter (pipe for the connection of indoor and outdoor A/C part)

	High Pressure	Low Pressure
SK-1.5 (W, D)	6.35mm	12.7mm
SK-2 (F, C, D)	6.35mm	12.7mm
SK3- (F, C, D)	9.52mm	15.88mm
SK5- (F, C, D)	9.52mm	19.05mm

	The fan size for the indoor part of A/C		The fan size for the outdoor part of A/C	
	Diameter	Length	Diameter	Length
SK-1.5 (W, D)	97mm	641mm	405mm	123mm
SK-2 (F, C, D)	300mm	130mm	420mm	153mm
SK3- (F, C, D)	379mm	130mm	480mm	155mm
SK5- (F, C, D)	378mm	180mm	460mm*2	152mm*2

	Power for Compressor	Power for fan	
		Indoor Part	Outdoor Part
SK-1.5 (W, D)	765W	16W	30W
SK-2 (F, C, D)	925W	30W	45W
SK3- (F, C, D)	995W	70W	70W
SK5- (F, C, D)	1500	130W	70W*2 (double fan)