

SOLAR AIR



2015 Reverse Cycle Solar Air Conditioners

Tongsuksiri Automation and Service co.,Ltd.

Kansayanan V.

Ms.Kansayanan Vetchakoolsunti

Sale Manager

Telephone +66 38 049845 Mobile +66 95 050-2393, +66 89 698-7987

9/4 Moo1 NongkhamSrirachaChonburi 20230 Thailand

24/174 Moo 7 SurasakSrirachaChonburi 20110 Thailand

E-mail: Suphalaknuchit@gmail.com

<http://www.solarairthailand.com/>



I Feel

The mini sensor in the remote controller can sense its surrounding temperature, and transmit the signal back to the indoor unit. So the unit can adjust the air flow volume and temperature accordingly so as to provide maximum comfort.



Remote with I Feel



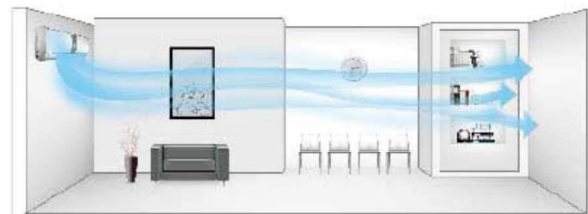
Remote without I Feel

4 - way Air Outlet



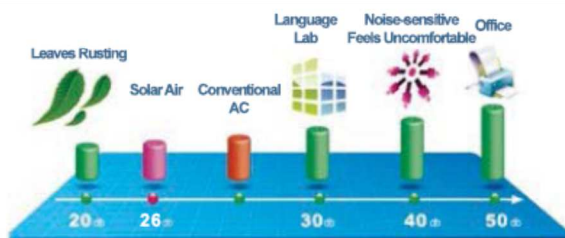
The louver can be vertically or horizontally adjusted so as to maximize comfort in the room.

"Turbo" Cooling



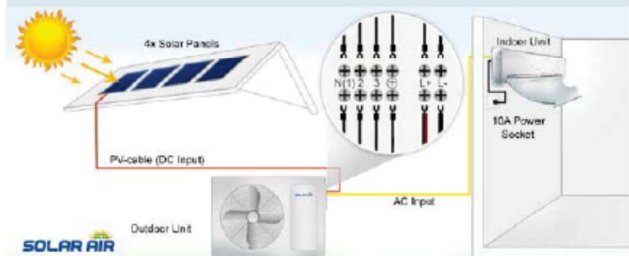
Press "Turbo" button on remote controller to enjoy a larger air flow, which enables the indoor temperature to reach the set temp in a shorter time.

Low Noise



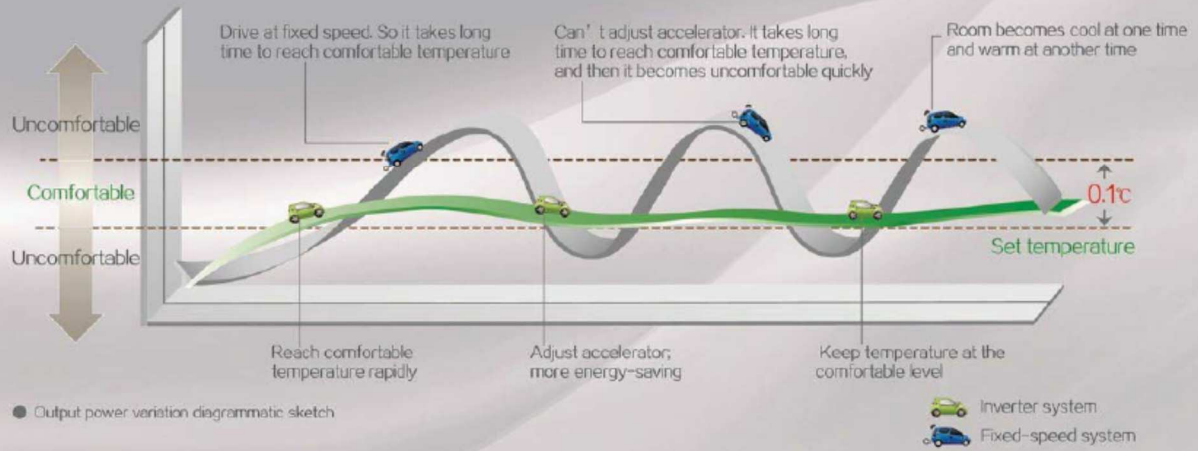
Noise lowers to 26dB, SolarAir is so quiet you won't even realise it's turned on.

Simple Connection Process



Solar Panels are connected directly to the outdoor unit.

How Inverter Saves Energy



Faster Cooling



Precise Temp Control



Energy Saving



Eco-friendly Refrigerant



Choose fan speed



Change operation mode: Auto, Cool, Dry, Fan, and Heat



Decrease set temperature; hold the button for 2 seconds to decrease set temperature rapidly



Raise set temperature; hold the button for 2 seconds to raise set temperature rapidly



For turning off timer



Show set indoor/outdoor temperature



Start the ventilation system or generate cold plasma



Operation of the unit will be adjusted according to temperature sensed by remote to maximize your comfort



For rapid cooling or heating



Press this button to set horizontal swing angle



Set vertical swing angle



Set present time or display timer



Air conditioner will run according to the preset sleep temperature



Choose auto quiet mode



Turn on/off the light on the unit



Start/stop indoor fan which is used for drying the components

POWER CONSUMPTION



*Watts are minimum theoretical value. Actual performance may vary by UV rays. Prices are based on running the unit constant for 12 hours day at 25 cents per kW.

High Energy Efficiency

Experience the refreshing comfort and Save more energy.



3 Star Rating

Enjoy a 3 Star energy rating without the aid of solar power.



Advanced Airflow Design

10m overlong airflow
Automatic horizontal airflow
Waterfall heating airflow



Air Purify Filters

Several optional healthy filters provide more protection for your family health.



Wide Angle Air Outlet

Four-dimension air outlet, enjoy the comfortable feeling everywhere.



Hybrid Solar Air Conditioner AC -DC On grid working						
Model			ACDC09-SBP	ACDC12-SBP	ACDC18-SBP	ACDC24-SBP
Power supply(AC)		Ph-V-Hz	1Ph,220V~, 50-60Hz			
Power supply(DC)			50-300V			
Cooling	Capacity	Btu/h	9000	12000	18000	24000
	Input	W	590	705	1180	1430
	Rated current	A	2.68	3.21	5.36	27.3
	EER	BTU/Wxh	15.25	17.02	15.26	16.78
Moisture Removal		L/h	1.0	1.3	1.7	2.5
Max. input consumption		W	1300	1600	2100	2350
Max. current		A	5.91	7.27	9.55	10.68
Compressor	Model		DA89M1C-20FZ3	DA98M1C-30EZ	DA130S1C-20FZ	DA150S1C-20FZ
	Type		ROTARY			
	Brand		TOSHIBA			
	Capacity	Btu/h	9036	9889	13128	15175
	Thermal protector		INT01L-4639 / CS-	INT01L-4639 / CS-	INT01L-4639 or	INT01L-4639 or
	Capacitor	uF	NO			
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 /	ESTER OIL VG74 /	ESTER OIL VG74	ESTER OIL VG74 /
Indoor fan motor	Model		YDK-4D		YYS16-4	YYS30-4
	Brand		AOLI		WANDA	
	Input	W	12	12	16	40
	Capacitor	uF	1.2	1.2	1.2	2
	Speed(Hi/Mi/Lo)	r/min	1150/950/780	1150/950/780	1160/890/630	1250/1000/800
Indoor coil	a.Number of rows		15	15	18	20
	b.Tube pitch(a)x row	mm	21x12.7	21x12.7	20.5*13	20.5*13
	c.Fin spacing	mm	1.45	1.45	1.5	1.5
	d.Fin type (code)		blind			
	e.Tube outside dia.and type	mm	Φ7,innergroove tube			
	f.Coil length x height x width	mm	628*315*25.4	628*315*25.4	746*369*26	818*410*26
Indoor unit	Dimension(W*D*H)	mm	795*285*215	795*285*215	990*330*230	1090*330*255
	Packing (W*D*H)	mm	905*370*283	905*370*283	1065*375*275	1145*375*315
	Net/Gross weight	Kg	10.5/14	11.5/15	15/18.5	18/22
Outdoor fan motor	Model		MFE-40VVL			Y09-9538-907
	Brand		FUTIANJIANG			Shinano
	Input	W	37	37	37	80
	Capacitor	uF	NO			
	Speed	r/min	850	850	850	850
Outdoor coil	a.Number of rows		24	24	26	34
	b.Tube pitch(a)x row	mm	20.5*13	20.5*13	20.5*13	20.5*13
	c.Fin spacing	mm	1.4	1.45	1.5	1.5
	d.Fin type (code)		blind			
	e.Tube outside dia.and type	mm	Φ7,innergroove tube			
	f.Coil length x height x width	mm	719*492*26	719*492*26	840*553.5*26	878*697*26
Outdoor unit	Dimension(W*D*H)	mm	760*255*525	760*255*525	850*290*580	865*310*710
	Packing (W*D*H)	mm	890*360*590	890*360*590	995*390*650	1025*395*790
	Net/Gross weight	Kg	36/39	39/43	51/56	61/66
Refrigerant type and charge volume		g	R410a(900)	R410a(1050)	R410a(1300)	R410a(1500)
Design pressure		MPa	4.3/1.1			
Refrigerant piping	Liquid side/ Gas side	mm(inch)	1/2 1/4	1/2 1/4	1/2 1/4	5/8 3/8
	Max. refrigerant pipe length	m	15	15	20	25
	Max. difference in level	m	5	5	5	5
Drain pipe size		mm	16	16	16	16
Connection wiring		m	4.3	4.3	4.3	4.3
Thermostat type			NTC	NTC	NTC	NTC
Expansion valve type			DPF-1.3	DPF-1.3	DPF-1.65	DPF-1.65
Operation temp		℃	16℃~31℃			
Ambient temp (cooling)		℃	18℃~50℃/-15℃~34℃			

