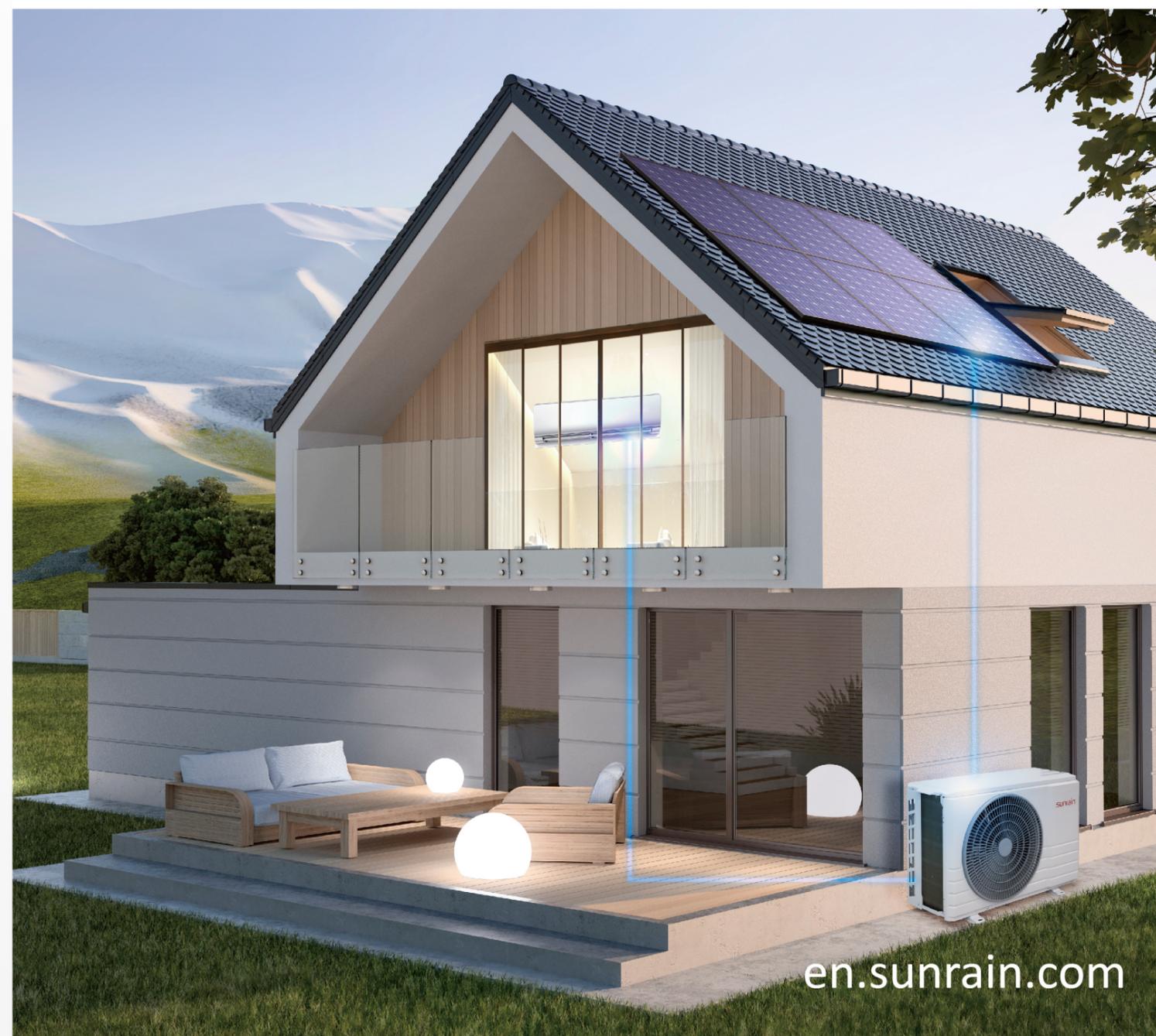


SOLAR HYBRID AIR CONDITIONER

 AC/DC HYBRID TYPE



Jiangsu Sunrain Solar Energy Co., Ltd.

Stock code: SH.603366

Email: info@sunrain.com

Http: [//en.sunrain.com](http://en.sunrain.com)

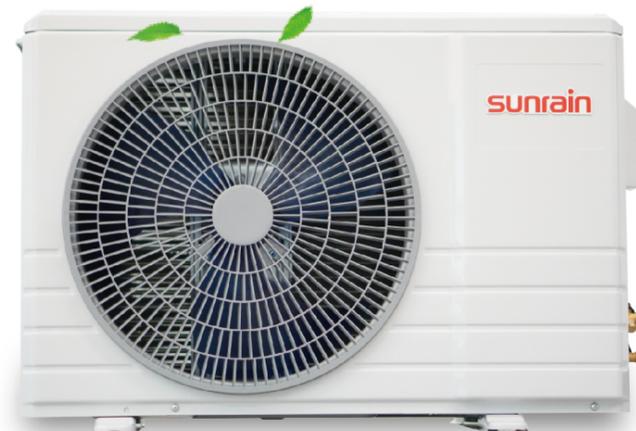
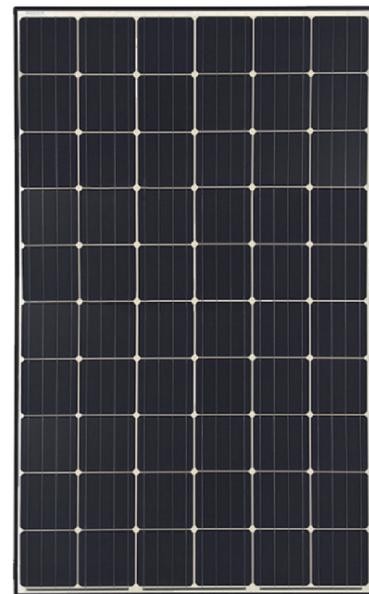
Tel: +86 518 8595 9809

Add: 199# Yingzhou Road, Lianyungang, China

en.sunrain.com

SOLAR HYBRID AIR CONDITIONER

SAC-012/018/024TB1



FEATURES

- ★ 100% solar panel drive in day time, help you to reduce the 60%-90% electricity bill
- ★ No battery, no inverter, no wire controller, plug and play
- ★ AC/DC/AC+DC mix power supply
- ★ SEER up to 6.6 and SCOP up to 4.6
- ★ Best energy saving solution with high investment return rate
- ★ Increase the value of your house, shop and office
- ★ Suitable for areas with good sunshine, enjoy cooling days without grid
- ★ Wide working condition from -15 °C to 58 °C



Max 100%
Energy Saving



Full DC



ECO Control



ACDC
Auto-Balance



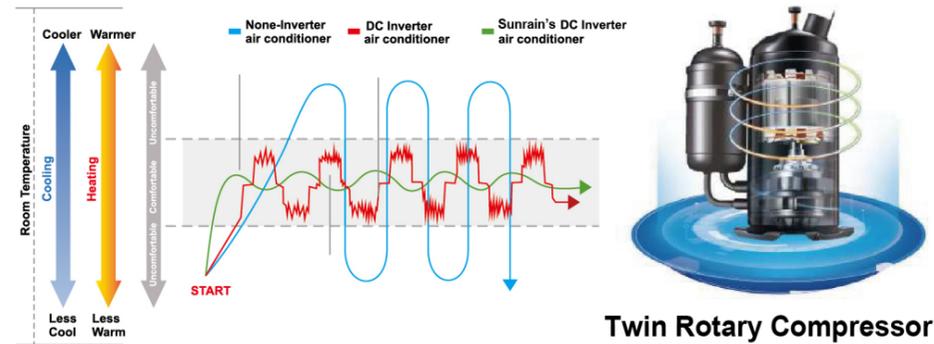
No Solar Charge Controller
Battery Bank



Working Temp. Range
(-10 °C to 58 °C)



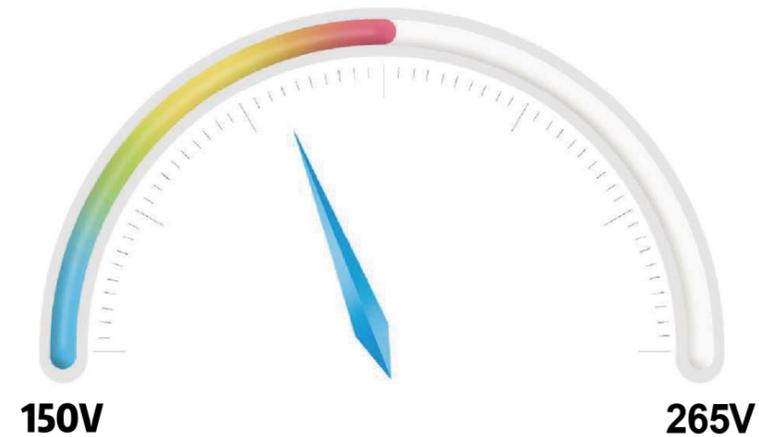
BUILD YOUR SMART ECO HOUSE WITH SUNRAIN



Sunrain has its own DC inverter controller technology for inverter air conditioners. It can make the compressor run at a low frequency of 0.1Hz and improve the utilization of the DC compressor by 10% compared with other DC inverter controller technologies.

Wide voltage operation

The air conditioner can be started and operated at 150V-265V to avoid damage to the air conditioner caused by unstable voltage.



sunrain



Twin Rotary DC Compressor



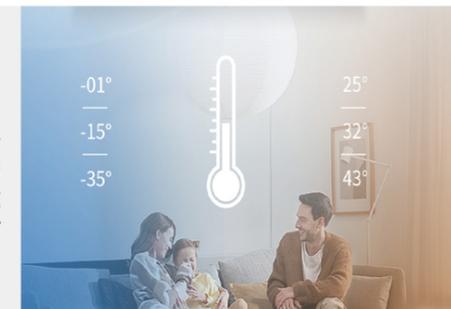
Outdoor DC fan motor



Indoor DC fan motor

3D Air supply

The horizontal and vertical adjustable air deflector design can achieve an all-around air supply, ensuring comfortable airflow in every corner of the room.



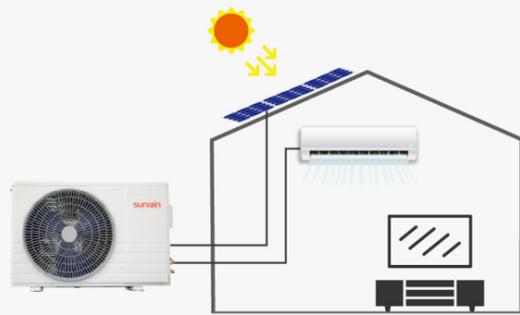
Multiple protection

Provide timely self-protection for the compressor, electric control and the motor in case of abnormal circumstances and faults.

ACDC HYBRID

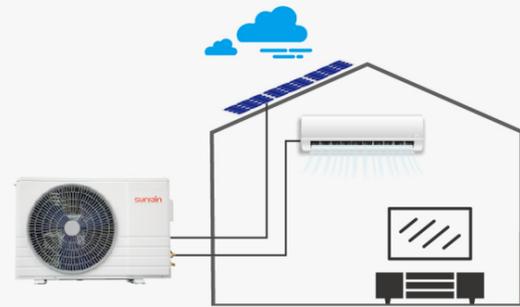
1 DC only

When the PV power meets the minimum operating power of the compressor, the air conditioner can start and be powered by solar energy only, even when the grid is off. This results in 100% energy savings.



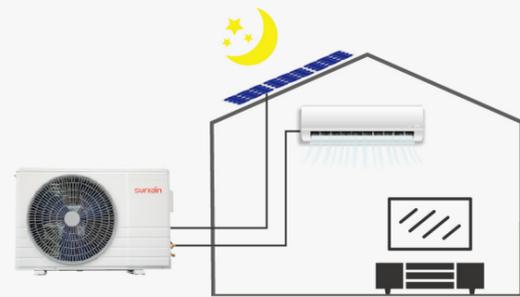
2 AC+DC

When the sunshine is not sufficient, such as in the morning or on a cloudy day, the air conditioner will prioritize using PV electricity. Any shortfall will be supplemented by the power grid.



3 AC only

During the night, the air conditioner consumes electricity from the power grid and operates on the same principle as a regular air conditioner.



Application Area



Hospital



Supermarket



Office



School

Product Specification



Model	--	SAC-012TB1	SAC-018TB1	SAC-024TB1
Wires/connector/qty		PV1-F4mm/MC4/50M	PV1-F4mm/MC4/50M	PV1-F4mm/MC4/50M
Max electric current/peak current		12/15A	12/15A	12/15A
Power Supply	Rated Voltage	V~	208-240	208-240
	Rated Frequency	Hz	50	50
	HYbrid Solar DC	V-	70-350	70-350
	Min/Max. Voltage	V~	150/265	150/265
Solar Dc Current	Max. Current	A	12.00	12.00
	Rated Current	A	3.85	5.88
Rated Power	Cooling Rate Current	A	4.02	8.91
	Heating Rate Current	A	4.02	8.91
Min. Power Input	Cooling Rate Power	W	860	1340
	Heating Rate Power	W	905	1320
Max. Power Input	W	180	220	280
Cooling Capacity	W	1500	1900	2700
	Btu/h	3500	5000	7220
Min. Cooling Capacity	W	12000	17100	24692
	Btu/h	1300	1700	2100
Max. Cooling Capacity	W	4500	5800	7150
	Btu/h	3950	5450	7800
Heating Capacity	W	13500	18600	26668
	Btu/h	3500	5250	7050
Min. Heating Capacity	W	12050	1800	24000
	Btu/h	1130	1310	1400
Max. Heating Capacity	W	3850	4500	4777
	Btu/h	4300	5800	8600
EER	W/W	14600	19600	29343
	Btu/W	4.02	3.74	3.76
SEER	W/W	13.74	12.79	12.86
	Btu/W	23.00	21.00	20.00
COP	W/W	3.87	4.01	3.75
	Btu/W	13.34	13.70	12.80
HSPF	W/W	9.70	9.55	9.60
	Btu/W	9.70	9.55	9.60
Indoor Unit	Indoor Unit Model	--	SACI-012TB1	SACI-018TB1
	Fan Type	--	Cross-flow	Cross-flow
	Indoor Unit Air Flow Volume	m3/h	700	1000
	Set Temperature Range	°C	16~32	16~32
	Set Temperature Range	°F	60~90	60~90
	Sound Pressure Level(SH/H/L/SL)	dB (A)	24-37-42	30-42-45
	Dimension (W×H×D)	mm	910*330*233	970*330*233
	Dimension of Package(W×H×D)	mm	1080*330*233	1165*315*395
	Stacked Layers	--	7	7
	Net Weight	kg	10	11
	Gross Weight	kg	13	14
Outdoor Unit	Outdoor Unit Model	--	SACO-012TB1	SACO-018TB1
	Compressor Trademark	--	HIGHLY	HIGHLY
	Compressor Model	--	GSX102SKQA6JL	GSD113RKQF6JV6B
	Compressor Type	--	Rotary	Rotary
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5
	Maximum Allowable Pressure	MPa	4.3	4.3
	Cooling Operation Ambient Temperature Range	°C	0~55	0~55
	Heating Operation Ambient Temperature Range	°C	-15~32	-15~32
	Sound Pressure Level	dB (A)	52	54
	Dimension (W×H×D)	mm	56	56
	Dimension of Package(W×H×D)	mm	797*556*336	874*559*368
	Stacked Layers	--	855*600*367	913*604*396
	Net Weight	kg	4	4
	Gross Weight	kg	27	31
	Refrigerant	--	30	34
	Refrigerant Charge	kg	R32	R32
Application Area	m2	0.80	0.95	
Loading Quantity	Loading Quantity(20GP Container)	unit	14~24	21~30
	Loading Quantity(40GP Container)	unit	85	75
	Loading Quantity(40HQ Container)	unit	180	155
		unit	220	180