



SOLAR AC DC
JUST COMMON SENSE

Solar Air Conditioner

Solar Multi Head Split System

ACDC HYBRID



Hybrid
Solar



Built in Solar
MPPT



180° Sine wave
Controller Technology



Auto
Restart



Maximum Efficiency
DC-driven



Preheat
Function



Battery/Grid
AC Limiter



WIFI
Control



Energy
Saving

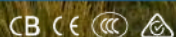


100% Eco - Up to 100%
Day time Savings



Features

- A purpose-built DC Hybrid solar air conditioner operates off-grid, using solar power directly with no inverter or grid connection required.
- It's easy to install with plug-and-play functionality, and eligible for STC claims on panels.
- AC limiting feature to manage load issues or minimise night power consumption.
- Featuring eco-friendly R32 refrigerant, quiet brushless DC motors, and energy-saving settings. It's an efficient, sustainable solution for reducing energy consumption.



ECOLOGICAL AND ECONOMICAL = JUST COMMON SENSE

Solar Air Conditioner

Solar Multi Split System

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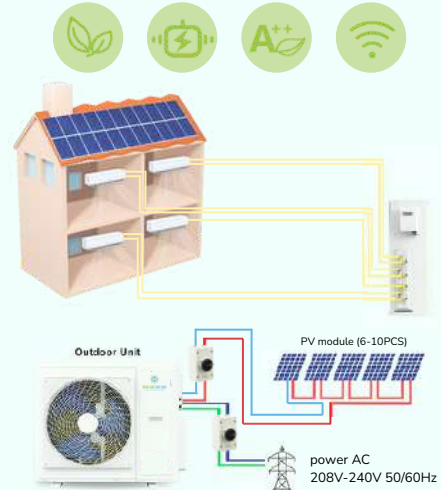
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ACDC R32

TECHNICAL DATA

SPECIFICATION			8KW	10.5KW
DC INVERTER	MODEL		SACDCM-ACDC-27KR2	SACDCM-ACDC-36KR2
System Format			1 outdoor - 3 indoor	1 outdoor - 4 indoor
Power Supply AC		V/Ph/Hz	AC220~240/1/50/60	AC220~240/1/50/60
Power supply DC PV String Input Data	Voc		DC 150~410V	DC 100~410V
	Max. PV (DC) Input Current (A)		20A	13+13A
	Max, PV ISC(A)		28A	16+16A
	No.of MPP Tracker		1	2
	No.of Strings per MPP Tracker		1	2
Capacity	Cooling	Btu/h	27000 (7800~29700)	35800 (8500~41300)
		kw	7.9 (2.3~8.70)	10.5 (2.5~12.1)
	Heating	Btu/h	28000 (8400~31000)	37500 (9100~41000)
		kw	8.2 (2.46~9.09)	11.0 (2.67~12.0)
Electric Data	Cooling Power Input	W	2440 (560~3400)	3250 (680~3750)
	Heating Power Input	W	2210 (560~3400)	2890 (530~3200)
	Rated Current (cooling)	A	10.72	14.28 A
	Rated Current (heating)	A	9.71	12.71 A
Performance	SEER/SCOP	W/W	6.1/4.0	6.15/4.0
	Energy Rate	W/W	A++/A+	A++/A+
	EER/COP	W/W	3.23/3.71	3.23/3.80
	Sound Pressure Noise Level	dB(A)	58	60
	Sound Power Noise Level	dB(A)	68	70
Dimension	Net (W*D*H)	mm	888*318*700	942*375*844
	Packing (W*D*H)	mm	1006*418*755	1085*430*1035
Weight	Net/Gross	kg	52.5/56.5	74/87
Piping	Liquid Side	mm(inch)	3×6.35 (1/4)	4×6.35 (1/4)
	Gas Side	mm(inch)	3×9.52 (3/8)	4×9.52 (3/8)
	Max.length for all rooms (m)	m	60	80
	Max.length for one IDU (m)	m	30	35
	Max.height difference between IDU & OU (m)	m	15	15
	Max.height difference betweenIDUs (m)	m	10	10
Ambient Temp (Cooling/Heating)		°C	-15~52°C/-15~24°C	-15~52°C/-15~24°C



Hybrid AC/DC Solar Multi Head Split System

8KW OUTDOOR 3 ZONES INDOOR MAXIMUM

1 units	2 units	3 units
7	3.5+3.5	3.5+3.5+3.5
—	3.5+3.5	3.5+3.5+3.5
—	5+5	3.5+3.5+3.5

36K OUTDOOR 4 ZONES INDOOR MAXIMUM

2 units	3 units	4 units
3.5+3.5	3.5+3.5+3.5	3.5+3.5+3.5+3.5
3.5+5	3.5+3.5+5	3.5+3.5+3.5+3.5
3.5+7	3.5+3.5+7	3.5+3.5+3.5+5
5+5	—	3.5+3.5+3.5+7
5+7	—	—

TECHNICAL DATA

SPECIFICATION			3.5KW	5KW	7KW
MODEL	INDOOR		ACDCM-ACDC-12KR2	ACDCM-ACDC-18KR2	ACDCM-ACDC-24KR2
Capacity	Cooling	kw/Btu	3.5/12000	5/17100	7/24000
	Heating	kw/Btu	3.6/12300	5.14/17550	7/24000
Electric Data	Power Supply	V	DC 290-380V	DC 290-380V	DC 290-380V
	Power Input	W	20	50	64
Performance	Air Flow Volume	CFM	365	559	765
		m3/h	620	950	1300
	Sound Pressure Noise Level	dB(A)	42.5	46	50
Dimension	Net (W*H*D)	mm	840*295*205	952*310*231	1080*330*237
	Packing (W*H*D)	mm	920*290*360	1045*376*326	1140*382*300
Weight	Net	kg	9.5	12.0	15.0
	Gross	kg	11.8	15.0	17.5
Pipe Diameter	Liquid Side	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Side	mm(inch)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	Drainage	mm	16.9	16.9	16.9

CONTACT US



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