

Our team at Adon Renewables has developed an innovative compressor that powers our proprietary Solar HVAC system. We utilize a hybrid of direct current (**DC**) and alternating current (**AC**) technology that can switch between using solar and grid energy resulting in huge cost savings - up to 90% during peak sun hours.

(DC/AC) Hybrid Technology



Wifi-Enabled



Mobile App Control



Schedule Heat/Cool

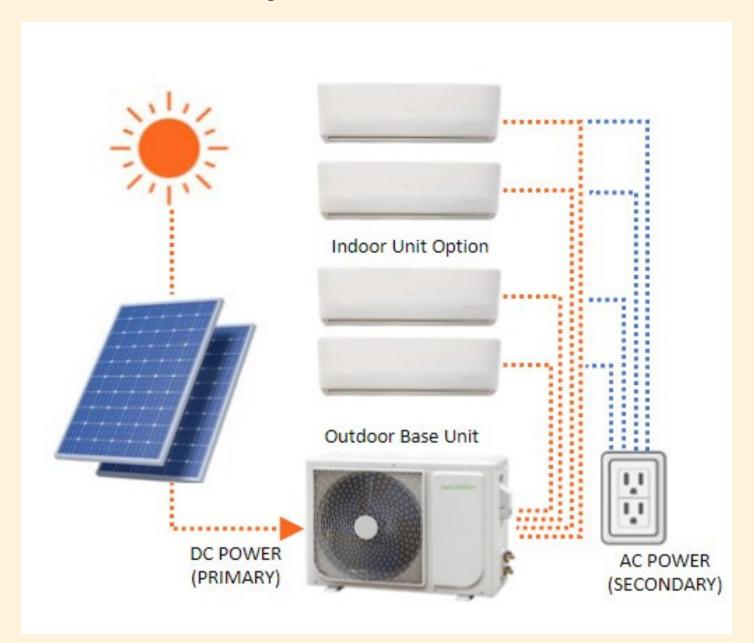


Immediate Energy Savings



SunChillers[™]

System Overview



Indoor Option One:

12,000 BTU (Up to 4)

Indoor Option Two:

24,000 BTU + 12,000 BTU (up to 2)

SunChillers[™]

Outdoor Compressor (Required)

36,000 BTU



Features:

- -No Inverter
- -No Backfeed to Central Grid
- -Condenser Uses Rectified Grid Power when Solar is Not Available
- -Use Solar Power to Cool/Heat up to 4 Separate Areas, with independent control
- -Qualifies for many incentives

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4 Venting Options:



Wall Mount



Ducted Unit



Overhead Unit



Cassette Unit

System Performance Da	ata	
Power Supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60, 1 Phase, 60H
Voltage Range	(V)	187-253
AC Electrical		
Minimum Circuit Ampacity	(A)	30.0A
Max. Fuse	(A)	45.0A
DC Electrical		
Voltage	(V)	50v-300v
Wattage (Max)	KW	2.5KW
Amperage (Max)	А	15A
Cooling		
Rated Capacity	(Btu/h)	36000(8209~40555)
Capacity Range	(Btu/h)	36000(8209~40555)
Power Input	(W)	3125
Rated Current	(A)	13.6
EER	(Btu/W)	11.5
SEER without Solar	(Btu/W)	23.0
SEER with Solar		>36
Heating at 47F		
Rated Capacity	(Btu/h)	36000(8209~40555)
Capacity Range	(Btu/h)	36000(8209~40555)
Power Input	(W)	3000
Rated Current	(A)	13.0
СОР	(W/W)	3.61
HSPF4	(Btu/W)	11.3
HSPF5	(Btu/W)	9.2
Heating at 17F		
Max Capacity	(Btu/h)	28510

Refrigerant Pipe Data		
Design Pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/134.04
Refrigerant Precharge	(ft)	30.0
	(m)	98
Additional Charge for Each Ft	(oz/ft)	0.0161
(Ф6.35 (1/4") Liquid Pipe)	(g/ft)	30
Additional Charge for Each Ft	(oz/ft)	0.322
(Φ9.52 (3/8") Liquid Pipe)	(g/ft)	30
Liamid Cida	inch	4 x 1/4"
Liquid Side	mm	4 x Φ4.35
Gas Side	inch	3 x 3/8" + 1 x 1/2"
dus side	mm	3 х Ф9.52 + 1 х Ф12.7
Max. Length for All Rooms	(ft)	262
	(m)	80
Max. Length for One Indoor Unit	(ft)	115
Wide Eenger for one moor one	(m)	35
Max. Height Difference Between	(ft)	49.0
Indoor and Outdoor Unit	(m)	15.0
Max. Height Difference	(ft)	33
Between Indoor Units	(m)	10.0
	(Deg. °F)	-13~122/-13~75
Outdoor (Cooling/Heating)	(Deg. °C)	-25~50/-25~24
Application Area	(sq.ft)	516.67~753.47
Application Area	(m2)	48~70

Outdoor Unit Data				
Compressor				
Туре		DC		
Model		Rotary		
Capacity	(Btu/W)	32380		
Input	(W)	2600		
Rated Current (RLA)	(A)			
Refrigerant Oil/Oil Change	(ml)	VG74/1000		
Throttle		Capillary + EXV		

Outdoor Fan Motor			
Model		DC	
Qty.		1	
Input	(W)	150.0	
RLA	(A)		
Speed	(r/min)	1000/900/750	

Air Flow & Noise Level		
Outdoor Airflow (Max.)	(CFM)	2147.06
Outdoor Noise Level	[dB(A)]	63

Outdoor Unit			
Dimension (W x D x H)	(inch)	37.24x16.14x31.89	
Difficusion (W X D X 11)	(mm)	946x410x810	
Packing (W x D x H)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/Gross Weight	(lbs.)	169.09/181.44	
1100 Treignt	(kg)	76.7/82.3	

Outdoor Unit Dimension

