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SOLAR AIR CONDITIONER



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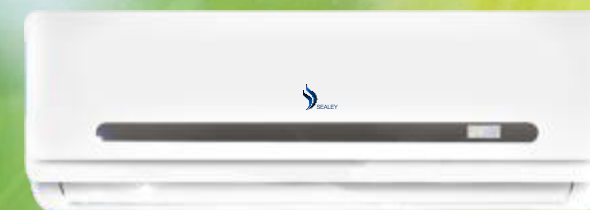
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M series (9000–12000BTU)



A series (9000–24000BTU)



Y series (9000–24000BTU)



Sealey Company mainly specializes in designing and manufacturing air conditioning, heating, ventilation and refrigeration products, own "Sealey" trademark. We can supply normal air conditioner, solar air conditioner, elevator air conditioner and heat pump water heater. Our products have passed ISO9001 international quality management system, CCC and CE certificate. Our elevator air conditioner adopt Chinese advanced technology, has got patent certificate. Our solar air conditioner also has patent certificate, and can meet ETL standard.

Our factory has the first-class producing and testing equipments. With good quality, our air conditioner is recognized by the national quality and technical inspection quarantine bureau and once again won the certificate for the products exemption from quality surveillance. Besides, we have passed CCECS and been authorized "Contract-observing and trust-worthy unit " by industry and commerce administration.

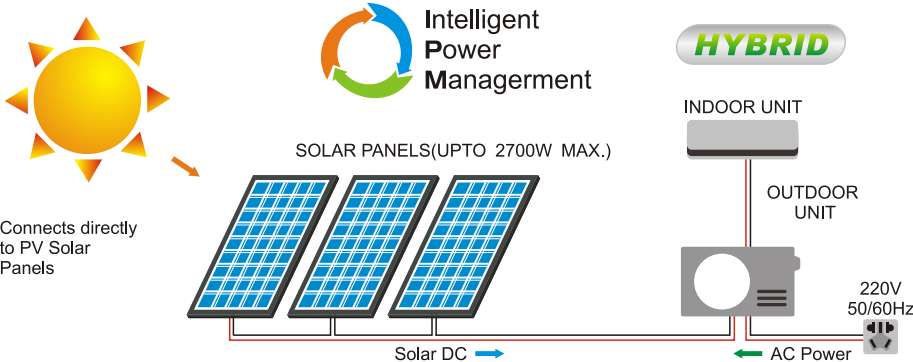


Affordable Money-saving On Grid Hybrid solar air conditioner



On Grid Hybrid solar air conditioner

How It Works

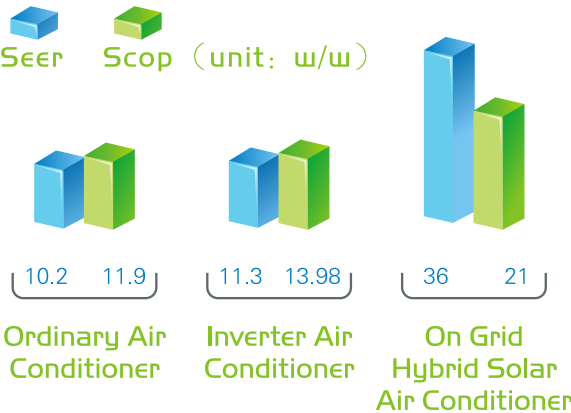


Dual power On Grid Hybrid Solar Air Conditioning system,the power from solar panel priority supply directly to indoor & outdoor fan motor and compressor. when the solar power is not sufficient, by equipped with dual PV MPPT tracking system, the system automatically switch to run by grid power, thus achieved the AC/DC power supply interaction, and uninterrupted supply power to air conditioner, ensure the system high efficiency up to SEER36;

Wide voltage design, free combination of solar panels,make our system not limited by the installation space.Minimum only two solar panels required to run our system, maximum power of solar panels is 2700W.



On Grid Hybrid solar air conditioner



Full DC control, superior performance, more cost saving.

System advantages:

- ✓ AC/DC dual power supply
- ✓ High energy efficiency: maximum up to SEER 36; Even if there is no sunshine, up to SEER 21.
- ✓ Convenient and quick installation, no longer require solar controller, battery and inverter
- ✓ Using solar power priority, solar power utilization rate more than 95%
- ✓ Solar power/grid power supply interaction, achieve uninterrupted power supply;
- ✓ Wide voltage design, free combination of solar panels, not limited by installation place.
- ✓ Compliant to all climate condition. (T1 & T3)



Spending very little money daily and use air conditioner without any worry.



Enjoy air conditioner free during the day, and spend very little money during night.

On Grid Hybrid solar air conditioner

panel M



Standard Features

ECO

Mute Operation

Refrigerant Leakage Detect

Louver Position Memory

High Density Filter

Manual ON/OFF

1W Standby

LOW Ambient Cooling

Emergency using

Mono&Multi Compatible

Optional Features

WIFI Control

Computer centralized control

> **KF(R)-26GW/BPSM**
KF(R)-35GW/BPSM



Technical Data Parameters - Panel M

Model		KF(R)-26GW/BPSM		KF(R)-35GW/BPSM	
Power supply(AC)		Ph-V-Hz	1Ph,220V~, 50-60Hz	1Ph,220V~, 50-60Hz	
Power supply(DC)		V	50-300V	50-300V	
Cooling	Capacity	Btu/h	9000 (3500-11000)	12000 (3700-14000)	
	input	W	590 (100-1200)	865 (110-1500)	
	Rated Current	A	2.68 (0.45-5.45)	3.93 (0.5-6.82)	
	EER	W/W	4.18	4.05	
Heating	Capacity	Btu/h	9500 (3800-11500)	13000 (4000-14500)	
	input	W	625 (120-1200)	880 (130-1510)	
	Rated Current	A	2.84 (0..5-5.45)	4 (0.59-6.86)	
Indoor air flow (Hi/Mi/Lo)		m3/h	550/450/350	550/450/350	
Indoor noise level (Hi/Mi/Lo)		dB(A)	<40/35/28	<40/35/28	
Indoor unit	Dimension(W*D*H)	mm	850*190*285	850*190*285	
	Packing (W*D*H)	mm	950*290*385	950*290*385	
	Net/Gross weight	Kg	7.9/10.2	7.9/10.2	
Outdoor unit	Dimension(W*D*H)	mm	835*320*540	835*320*540	
	Packing (W*D*H)	mm	900*400*600	900*400*600	
	Net/Gross weight	Kg	28/33	33/38	
Operation temp		℃	17~32/0~30	17~32/0~30	
Ambient temp (cooling/heating)		℃	18-50/-15-34	18-50/-15-34	
Application area		m2	10-18	13-23	

1.The above specification is only for reference, please refer to the nameplate on the unit.
2.The above version we reserve all the right for the final explanation

On Grid Hybrid solar air conditioner

panel A



Standard Features

ECO

Mute Operation

Refrigerant Leakage Detect

Louver Position Memory

High Density Filter

Manual ON/OFF

1W Standby

LOW Ambient Cooling

Emergency using

Mono&Multi Compatible

Optional Features

WIFI Control

Computer centralized control

> **KF(R)-26GW/BPSA**
KF(R)-35GW/BPSA
KF(R)-50GW/BPSA
KF(R)-70GW/BPSA

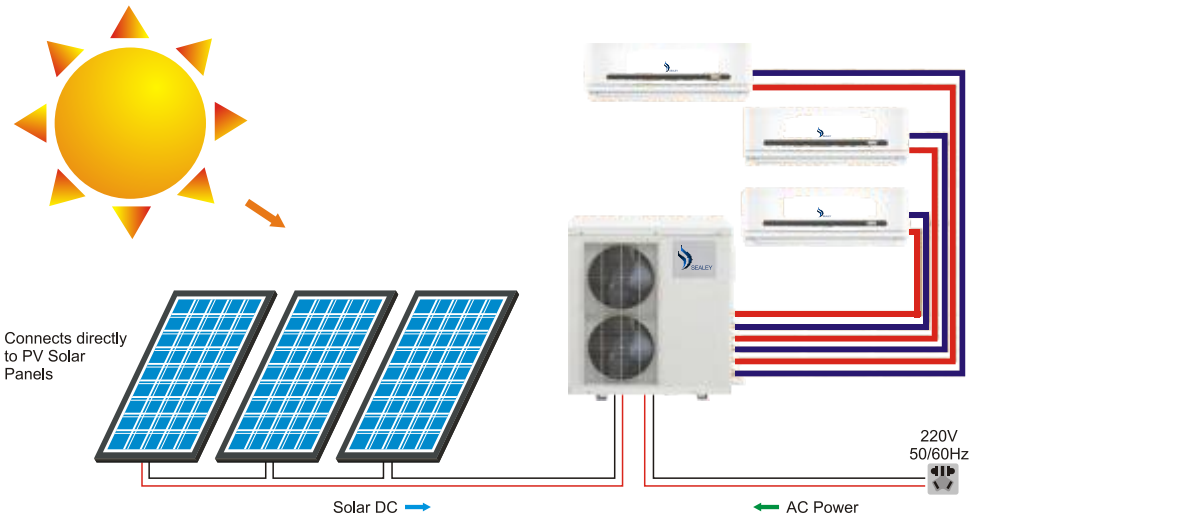


Technical Data Parameters - Panel A

Model			KF(R)-26GW/BPSA	KF(R)-35GW/BPSA	KF(R)-50GW/BPSA	KF(R)-70GW/BPSA
Power supply(AC)		Ph-V-Hz	220-240V~ 50/60Hz,1Ph	220-240V~ 50/60Hz,1Ph	220-240V~ 50/60Hz,1Ph	220-240V~ 50/60Hz,1Ph
Power supply(DC)		V	50-380V	50-380V	50-380V	50-380V
Rated Cooling	Capacity	Btu/h	9000(3500-11000)	12000(3700-14000)	18000(6200~20900)	24000(9100-26900)
Cooling Power input		W	100-1240	100-1580	140~2360	240-3030
Cooling Current		A	0.4-5.4	0.4-6.9	0.6~10.3	1.0-13.2
Rated Heating	Capacity	Btu/h	10000(2800-11500)	13000(3000-14400)	19000(4700~23000)	25000(5500-30000)
Heating Power input		W	120-1200	130-1510	200~2410	260-3140
Heating Current		A	0.5-5.2	0.6-6.6	0.9~10.5	1.1-13.7
Indoor air flow (Hi/Mi/Lo)		m3/h	570/470/370	570/470/370	840/680/540	980/800/640
Indoor sound pressure level (Hi/Mi/Lo/Si)		dB(A)	41/36/28	41/36/28	43/37/32	45/39/34
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	957x213x302	1040×220×327
	Packing (W*D*H)	mm	870x270x360	870x270x360	1035x295x380	1120x405x310
	Net/Gross weight	Kg	7.2/9.6	7.2/9.6	9.5/12.5	11.9/15.2
Outdoor unit	Dimension(W*D*H)	mm	835x320x540	835x320x540	845x310x600	910x340x700
	Packing (W*D*H)	mm	900x400x600	900x400x600	900x390x690	1035x375x755
	Net/Gross weight	Kg	28/33	33/38	35/40	45/48
Refrigerant	Type		R410A	R410A	R410A	R410A
Operation temperature	Indoor(cooling/heating)	℃	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	℃	18-50/-15-34	18-50/-15-34	18-50/-15-34	18-50/-15-34
Application area		m2	12-18	16-23	24-35	32-47

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On Grid Hybrid solar air conditioner - Muiti Zones series



21 SEER 50/60Hz R410a

- > **H2OD18HFN1**
- H3OD30HFN1**
- H4OD36HFN1**
- H5OD48HFN1**



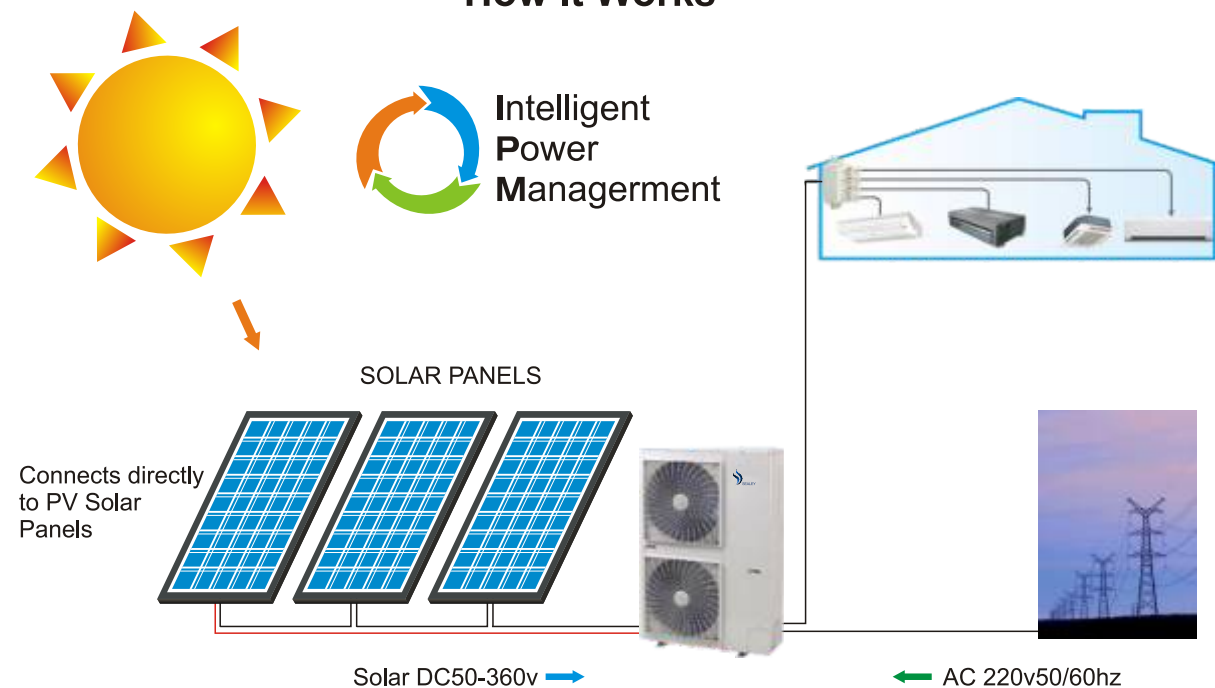
Technical Data Parameters

Outdoor model			H2OD18HFN1	H3OD30HFN1	H4OD36HFN1	H5OD48HFN1
Power supply(AC)		Ph-V-Hz	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph
Power supply(DC)		V	50-380V	50-380V	50-380V	50-380V
cooling	capacity	W	18000 (7000-20500)	28000(9000-30500)	36000 (11000-37500)	48000 (13500-49500)
	input power	W	1352(520-1710)	2120(850-2389)	2859(1039-3031)	3624(1300-3750)
	Run current	A	6.14(2.36-7.77)	9.63(3.86-10.86)	12.99(4.72-13.77)	16.47(5.91-17.04)
	EER	Btu/w	12.5	12.5	11.5	12.5
	SEER		22.5	23	22.5	22.4
Heating	capacity	W	19000 (8000-21500)	29000(9500-31000)	37500(11500-38500)	49000 (14000-50000)
	input power	W	1385(560-1710)	2193(865-2419)	2909(1079-3083)	3714(1350-3850)
	Run current	A	6.29(2.5-7.77)	9.96(3.93-10.99)	13.22(4.9-14.01)	16.88(6.14-17.5)
	COP	Btu/w	12.28	13.29	11.59	12.28
Heating at 17F	Rated capacity	Btu/h	12000	17200	23000	29600
Heating at 5F	Maxlimum capacity	Btu/h	13900	21900	28000	34900
Outdoor unit	Dimension(W*D*H)	mm	845x363x702	946x410x810	946x410x810	952x415x1333
	Packing (W*D*H)	mm	965x395x755	1090x500x875	1090x500x870	1095x495x1485
	Net/Gross weight	Kg	48/52	68/73	71/76	102/116
Refrigerant			R410A	R410A	R410A	R410A
Indoor model			HSF-09HRFN1	HSF-12HRFN1	HSF-18HRFN1	HSF-24HRFN1
Outdoor unit	Dimension(W*D*H)	mm	802x189x297	802x189x297	1080x226x335	1080x226x335
	Packing (W*D*H)	mm	875x285x375	875x285x375	1155x415x315	1155x415x315
	Net/Gross weight	Kg	8.2/10	8.2/10	13.2/16.8	13.2/16.8
Application area		m2	12-17.6	16-23.4	23.3-34.2	30.6-44.9

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On Grid Hybrid Solar Air Conditioner -Central Air Conditioner Series

How It Works



AC/DC Hybrid Solar Residential Central Air Conditioner, use PV power as priority, grid AC power as back up, power the fan motor and compressor directly, AC/DC dual power system, wide voltage (50v-360v), achieve solar panel free combination, solve the problem of installation space and power requirement. Equipped with double route MPPT PV tracking system, when the PV power is shortage, the AC Grid power helps, keep the air conditioner running, assure the high efficiency.



- ✓ AC/DC Hybrid dual power
- ✓ High efficiency
- ✓ Easy & convenient installation, no longer require solar charger, battery and converter.
- ✓ Use the PV power as priority, the utilization rate more than 90%
- ✓ Grid AC power and PV power interact, achieve non-stop power supply.
- ✓ wide voltage (50v-360v), achieve solar panel free combination according to your installation space.
- ✓ Not limited by the climate (T1 & T3), applicable for all around the world.



Office
Spending very little money daily and use air conditioner without any worry.



School
Enjoy air conditioner almost free during the day



Hotel
Enjoy air conditioner almost free during the day, and spend very little money during night.