



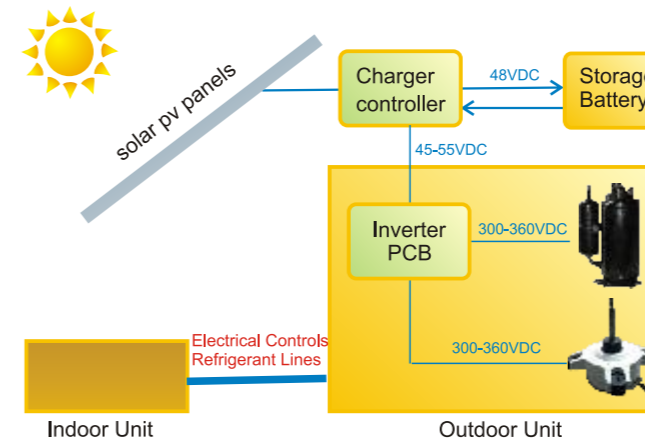
100% SOLAR POWERED AIR CONDITIONER

Off Grid DC 48V Solar Air Conditioner



Off Grid (DC 48V) Solar Air Conditioner

Working principal



The new generation 100% solar DC air conditioner adopts perfect inverter controller technology, Convert 48VDC from solar PV panels directly to DC 300-360V voltage which required by compressor and motor. Reduced intermediate links. While also reduce energy losses. The indoor motor, compressor, outdoor motor in the new generation 100% solar air conditioner system all adopt brushless DC motor. It greatly improved the stability and efficiency of system.

Technical Features

- 1, Direct PV 48V powered, no conversion process. (off grid)
- 2, Easy installation, very similar like the traditional air conditioner.
- 3, Not limited by power supply and climate, apply for world wild use.(Suitable for T3 tropical area)
- 4, Full DC 3D Control (adopt world well known DC compressor , DC indoor fan motor, DC outdoor fan motor), reliable running and high efficiency.

Applicable Places



Island



Desert

Off Grid DC 48V Solar Air Conditioner

panel K



> KFR-26GWDCBP
KFR-35GWDCBP
KFR-50GWDCBP
KFR-70GWDCBP



R410A

INVERTER

Technical Data Parameters

Model			KFR-26GW/DCBP	KFR-35GW/DCBP	KFR-50GW/DCBP	KFR-70GW/DCBP
Power supply		Ph-V-Hz	DC48V			
Cooling	Capacity	Btu/h	9000	12000	18000	24000
	Input	W	475	635	888	1310
	Rated current	A	9.89	13.23	18.5	27.29
Heating	Capacity	Btu/h	9500	13000	19000	25000
	Input	W	462	620	885	1285
	Rated current	A	9.63	12.92	18.43	26.78
Indoor air flow (Hi/Mi/Lo)		m3/h	600/450/330	600/450/330	950/750/600	950/750/600
Indoor noise level (Hi/Mi/Lo)		dB(A)	<40/33/28	<40/33/28	≤45/40/35	≤45/40/35
Indoor unit	Dimension (W*D*H)	mm	795*285*215	795*285*215	1090*330*230	1090*330*230
	Packing (W*D*H)	mm	905*370*283	905*370*283	1145*375*305	1145*375*305
	Net/Gross weight	Kg	11.2/14.8	11.2/14.8	16.5/19	16.5/19
Outdoor air flow		m3/h	1350	1600	2400	2400
Outdoor noise level		dB(A)	<48	<50	≤56	≤56
Outdoor Unit	Dimension (W*D*H)	mm	760*255*525	760*255*525	865*310*710	865*310*710
	Packing (W*D*H)	mm	890*360*590	890*360*590	1025*395*790	1025*395*790
	Net/Gross weight	Kg	33/39	35/40	53/58	56/61
Operation temp		°C	17°C~32°C	17°C~32°C	17°C~32°C	17°C~32°C
Ambient temp (cooling/heating)		°C	18-50/-15-34	18-50/-15-34	18-50/-15-34	18-50/-15-34
Application area		m2	10-20	15-25	25-40	30-45

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



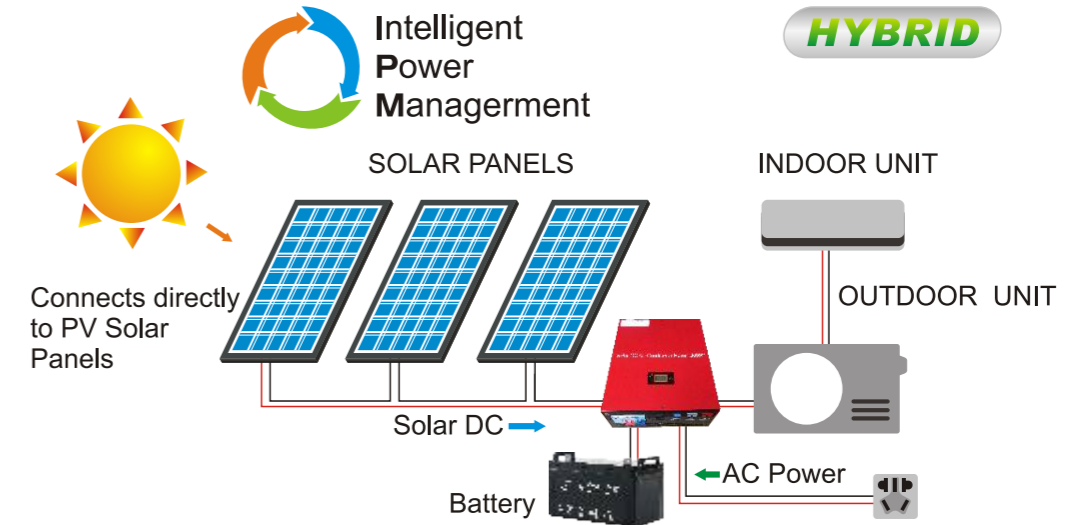
Affordable Money-saving

On/off Grid Hybrid Solar Air Conditioner



On/off Grid Hybrid Solar Air Conditioner

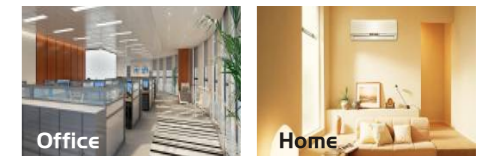
How It Works



On/Off Grid Solar Air Conditioner, equipped MPPT PV tracking system and the smart controller, utilize the DC power as priority. Energy delivered from solar PV directly and if not sufficient, will aggregates with the grid (or battery optional), if the grid cut (or battery runs out), then the battery (or grid power) comes as back up to continually run the air conditioner. This solution is perfect for the places where the grid power is not steady or grid power often cut.

System features:

1. High efficient, Up to SEER 36, even if there is no sunlight, still reaches SEER 21
2. Easy & quick installation, not require the inverter
3. When the solar power is not sufficient, grid power or battery priority optional
4. Suitable for tropical climate like Middle east, Africa and Pakistan, India.



On/Off 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

> **KFR-26GWIBPBLA**
KFR-35GWIBPBLA
KFR-50GWIBPBLA
KFR-70GWIBPBLA



Technical Data Parameters - Panel A

model			KFR-26GW/BPBLA	KFR-35GW/BPBLA	KFR-50GW/BPBLA	KFR-70GW/BPBLA
		V	DC48V	DC48V	DC48V	DC48V
cooling	capacity	Btu/w	9000 (3500-11000)	12000 (3700-14000)	18000 (6200-19500)	24000 (5100-26900)
	input	W	485 (100-750)	658 (110-1200)	905 (140-1500)	1325 (240-1850)
	Rated current	A	10.11 (2.08-15.63)	13.7 (2.29-25)	18.85 (2.91-31.25)	27.6 (5-38.54)
Heating	Capacity	Btu/w	9500 (3800-11500)	13000 (4000-15000)	19000 (4700-20000)	25000 (5500-30000)
	input	W	505 (120-800)	675 (130-1220)	915 (200-1600)	1345 (260-1950)
	Rated current	A	10.52 (2.5-16.67)	14.06 (2.71-25.42)	19.06 (4.17-33.33)	28.02 (5.42-40.63)
Indoor air flow (Hi/Mi/Lo)		m3/h	570/470/370	570/470/370	721/566/458	970/780/590
Indoor noise level (Hi/Mi/Lo)		dB(A)	41/36/28/23	41/36/28/23	43.7/39.3/35.1	45/36/31.5
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	957x213x302	1040x220x327
	Packing (W*D*H)	mm	870x270x360	870x270x360	1035x305x380	1120x310x405
	Net/Gross weight	Kg	7.2/9.6	7.2/9.6	9.5/12.5	11.9/15.2
Outdoor air flow		m3/h	1500	1600	2100	2600
Outdoor noise level		dB(A)	<48	<50	<52	≤56
Outdoor unit	Dimension(W*D*H)	mm	835*320*540	835*320*540	835*320*540	910*340*700
	Packing (W*D*H)	mm	900*400*600	900*400*600	900*400*600	1063*480*760
	Net/Gross weight	Kg	33/39	35/40	39/44	56/62
Operation temp		°C	17°C~31°C	17°C~31°C	17°C~31°C	17°C~31°C
Ambient temp (cooling/heating)		°C	18-52/-15-34	18-52/-15-34	18-52/-15-34	18-52/-15-34
Application area		m2	12-18	16-23	24-35	32-47

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Intelligence

1. versatile and flexible control mode, besides the standard remote controller, you also can choose the mobile APP and central control, meet your different requirement.
2. Remotely turn on/turn off the air conditioner, achieve remotely control the air conditioners, distance no longer becomes a problem, and moreover, you can check the air conditioners" running status by your mobile and laptop at anytime, very convenient.
3. Control the air conditioners by your smart phone which connected to internet through 4G/3G or WIFI (make sure your air conditioners are covered by the router internet), achieve intelligence life.



Remotely turn on your air conditioner after sport

Forgot to turn off your air conditioner when you are outside

Turn on your air conditioner before you get home