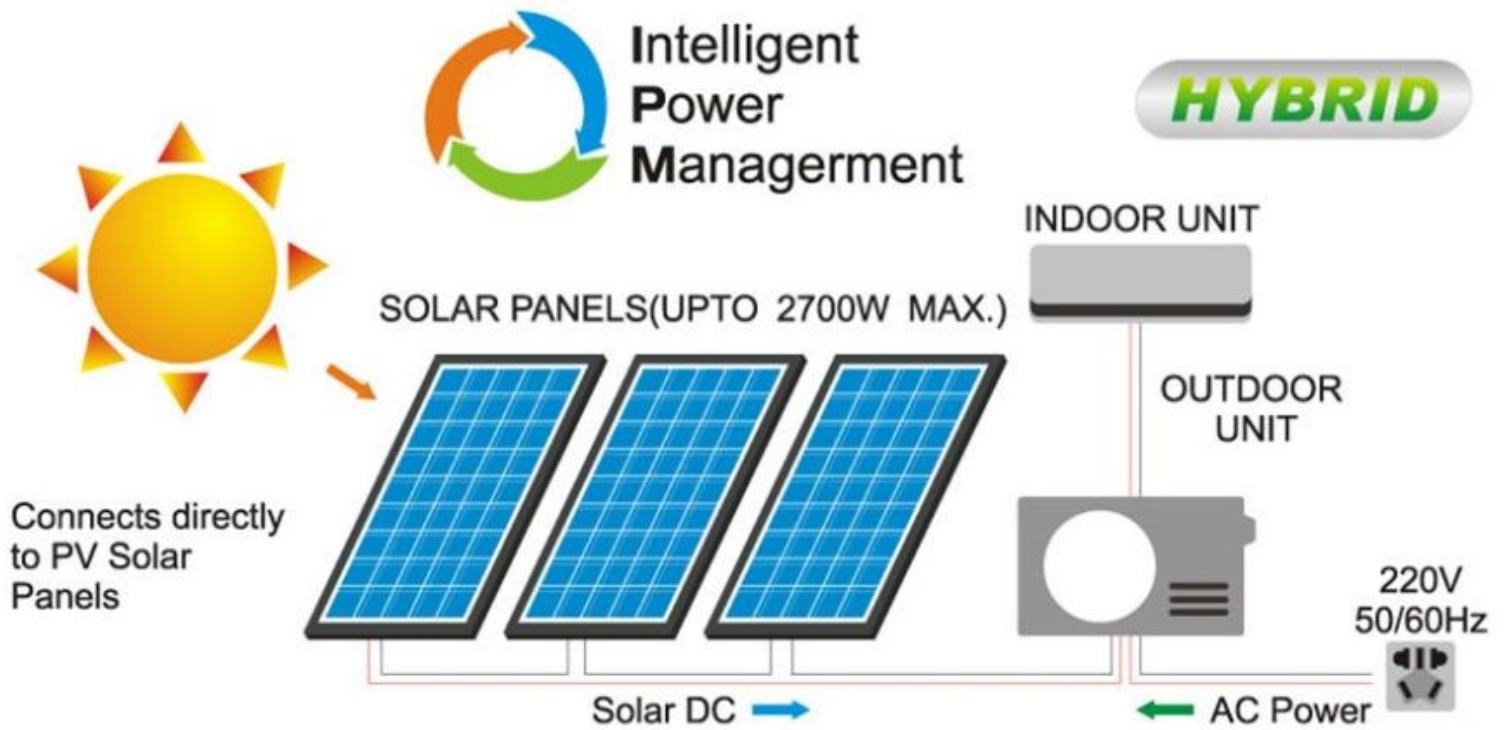




How It Works



The **NEW Dual Power Hybrid Solar Air Conditioner** can utilize the maximum amount of available solar power* drawn from the PV modules directly during the day even when there is no grid-tied utility power at all. Even when the sun is not shining at all during the night, this ultra high efficiency heat pump (A **SEER 20** rating without solar and **SEER 35** with solar) will keep you comfortable and save you money using far less electricity than a normal air conditioner or heat pump of the same capacity.

*Ensuring extra PV wattage through larger module capacity can help in times where irradiation levels from the sun is reduced, due to early and late times of the day or due to cloud coverage.



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 inerraction, achieve uninterrupted power supply.
- ✓ Wide voltage design, free combination of solar panels, not limited by installation place.
- ✓ Compliant to all climate conditon,(T1 & T3).



Office

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



Home

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

AC /DC Hybrid solar air conditioner - wall mounted series



Seer Scop (unit: w/w)



Ordinary Air Conditioner



Inverter Air Conditioner



AC/DC 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 20.
- ✓ 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)

AC /DC Hybrid solar air conditioner Technology

I . High-quality components, Durable security, effectively improve the efficiency

Leading international new refrigerant R410A

New refrigeration R410A has stabilization, innocuity and more efficient characteristic, due to not including chlorine element, will not destroy the ozonosphere. In addition, use new refrigerant will take advantage on air conditioners performance.



Well-known brands DC permanent magnet synchronous compressor

The use of permanent magnet rotor produce the magnetic field without the power turn on, it can save the energy, make the whole system more efficient, and would be more steady while working



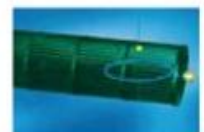
Mitsubishi imported module

Adopt the Mitsubishi Module ensure system work efficiently and stably.



Large diameter tubular blade, Reduce operating noise

Adopt large diameter equidistant tubular blades, the blade shape mute settings, not only a amount of wind, but also efficiently reduce operation noise.



DC remarkable motor

Keep the system stable and powerful but quiet with long used life span



II. Advanced frequency control technology, Ensure the entire unit is full and efficient



180° sine wave DC inverter technology, comfortable enjoy

Reasonable with the compressor speed, Driving torque evenly, Greater degree of play on the current utilization efficiency, A/C just started, fast cooling and heating, when come to the predetermined temperature, compressor stays slow speed, Protection temperature constant, low energy efficiency, low noise, comfortable and pleasant.



150V-260V Wide-voltage operation

DC inverter A/C can be run under 150V-260V wide voltage, and effective solution to voltage scaling for air conditioning, improve the stability of the running, effective protection of the entire unit, extend the service life.



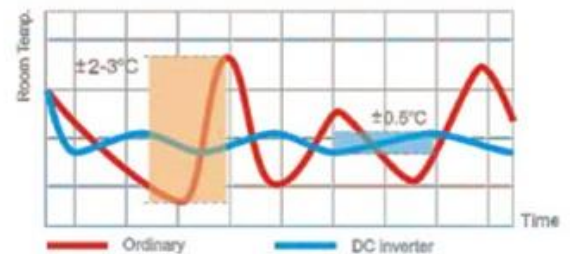
Power factor correction technology, to ensure full and efficient operation

Adopt advanced power factor correction technology, power factory up to 99%, (Normal A/C on market only 80%-90%) Minimal impact on the grid, While greatly improving the transmission power of the grid.



Precise temperature control with $\pm 0.5^{\circ}\text{C}$

Normal A/C Temperature fluctuations can only be maintained in $\pm 2^{\circ}\text{C}$, DC inverter A/C make it between $\pm 0.5^{\circ}\text{C}$, Better to maintain a constant indoor temperature, People fully enjoy a pleasantly.



-15°C low temperature start

Normal A/C heating effect is getting worse under 0°C , but DC inverter A/C heating effect stay strong and stable even in lower temperature of environment.



III. User-friendly design, Extreme convenience



Human sleep patterns, Improve the quality of rest

For your comfort sleep, Open the sleep timer operation conditioning system automatically changes the set temperature, (rise 0.5°C when cooling, reduce 2°C when heating) prevent overcool or overheat.



Intelligent dehumidification, dry and pleasant

Chip control dehumidification, Air flow and temperature are automatically controlled, Recommended for use in the rainy season



Precise timing, Free to set the A/C on and off times

By remote control, Set the air conditioning on or off at any moment within 24 hours, Just click timing on-off button, will be able to set the desired open, shut down time.



Power failure and memory function

Even if disconnect the power when the air conditioning is running, recorded the operation mode before power failure. Automatically return to the former set when the power back.

Model			KFR-26GW/BP	KFR-35GW/BP	KFR-50GW/BP	KFR-70GW/BP
Power supply (AC)		Ph-V-Hz	1Ph,220V~,50-60Hz	1Ph,220V~,50-60Hz	1Ph,220V~,50-60Hz	1Ph,220V~,50-60Hz
Power supply (DC)			50-300V	50-300V	50-300V	50-300V
Cooling	Capacity	Btu/h	9000 (3500-10000)	12000 (4000-13000)	18000 (6500-20000)	24000 (9500-26000)
	Input	W	100-980	120-1475	200-1960	300-2580
	Rated current	A	0.4-4.45	0.56-6.7	0.91-8.91	1.36-11.73
Heating	Capacity	Btu/h	10000 (2800-11000)	13000 (3000-14400)	19000 (4700-23000)	25000 (9800-26000)
	Input	W	120-1000	150-1500	230-2100	320-2650
	Rated current	A	0.5-4.54	0.68-6.82	1.05-9.55	1.45-12.05
Indoor air flow (Hi/Mi/Lo)		m3/h	500/400/310	550/450/350	850/700/550	1000/800/650
Indoor noise level (Hi/Mi/Lo)		dB(A)	<40/32/26	<40/35/28	≤43/38/32	≤45/40/35
Indoor unit	Dimension(W*D*H)	mm	795*285*215	795*285*215	990*330*200	1090*330*230
	Packing (W*D*H)	mm	905*370*283	905*370*283	1065*375*265	1145*375*305
	Net/Gross weight	Kg	10.5/14	11.5/15	15/18.5	18/22
Outdoor unit	Dimension(W*D*H)	mm	760*255*525	760*255*525	850*290*580	865*310*710
	Packing (W*D*H)	mm	890*360*590	890*360*590	995*390*680	1025*395*790
	Net/Gross weight	Kg	36/39	39/43	45/52	56/61
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