

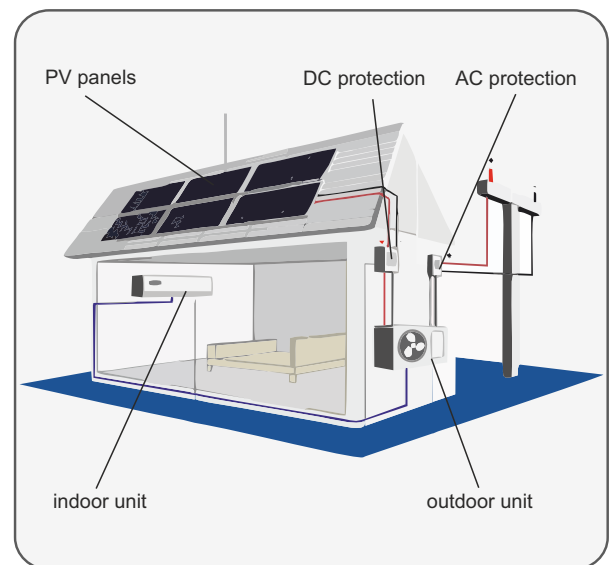
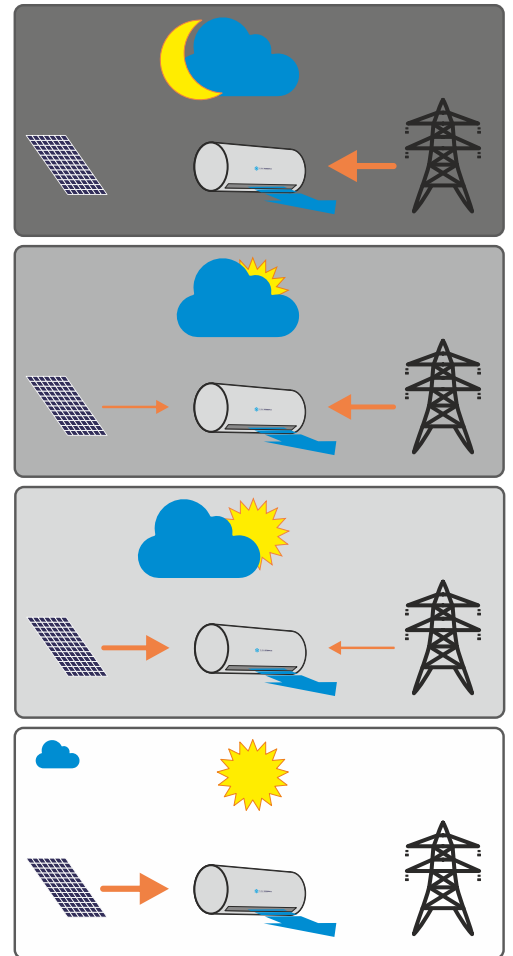
HYBRID PHOTOVOLTAIC AIR CONDITIONING

Solar air conditioning intelligently combines photovoltaic power with grid power, preferring solar power for maximum energy savings. The air conditioner can be controlled by remote control and, when connected to WiFi, by a mobile application.



Advantages

- High savings due to modern technology
- Efficient use of solar energy
- Combination of grid and solar power
- Wide range of input voltages
- Preference of solar energy over grid energy
- Easy installation within one day
- With the increase in sunshine the need for air conditioning also increases



Innovative energy saving solutions



Technical data



Type	9 000 S	12 000 M	18 000 L	24 000 XL
Power supply				
Solar power supply	90 - 380 VDC			
Current [A]	max. 15	max. 15	max. 15	max. 20
Mains power supply	200 - 230 VAC / 50 - 60 Hz			
Current [A]	max. 6,5	max. 8,5	max. 13	max. 17,2
PV panels				
Optimal PV panel performance [Wp]	approx. 1.350 <small>(3 x 450Wp)</small>	approx. 1.350 <small>(3 x 450Wp)</small>	approx. 1.800 <small>(4 x 450Wp)</small>	approx. 2.250 <small>(5 x 450Wp)</small>
Cooling				
Power [W / BTU]	2.500 / 9.000	3.500 / 12.000	5.000 / 18.000	7.000 / 24.000
Power input [W]	735	1.030	1.520	2.100
SEER excluding solar energy *	6,6	6,6	6,6	6,6
Heating				
Power [W / BTU]	2.600 / 9.000	3.600 / 12.000	5.100 / 18.000	7.200 / 24.000
Power input [W]	670	980	1.550	2.180
SCOP excluding solar energy **	4,6	4,6	4,6	4,6
Other				
Recommended volume of air-conditioned space [m ³]	~80	~120	~180	~240
Air flow through the indoor unit [m ³ /h]	650	650	900	1.200
Refrigerant type	R32	R32	R32	R32
Dimensions, weight, noise levels				
Indoor unit [mm]	895 x 300 x 203	895 x 300 x 203	1000 x 240 x 310	1130 x 245 x 320
Outdoor unit [mm]	795 x 290 x 555	795 x 290 x 555	795 x 290 x 555	860 x 304 x 733
Weight of indoor unit [kg]	12	12	15	17,5
Weight of outdoor unit [kg]	38	40	43	55
Noise level of indoor/outdoor unit [dB(A)]	41 / 50	42 / 50	45 / 52	48 / 56

*SEER value including solar energy >20

**SCOP value including solar energy >12

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