

ECOLIBRI

Wind energy, better future



HYBRID AC/DC SOLAR
AIR CONDITIONER

100%

Renewable energy



The hybrid solar air conditioners proposed by Ecolibri differ from the normal DC inverter air conditioners because during the day they work with direct current supplied thanks to the solar panels.

With intelligent power management technology, this system can directly use the DC power from the solar panels without any need for an inverter, controller, or battery.

Ecolibri does not limit itself to supplying high quality products but stands out for the design and implementation of complete solar solutions, customized according to the specific needs of users.

Our hybrid solar air conditioners allow effective cooling in summer and heating in winter, both in the ACDC network and outside the DC48v network (where there are no 220v-240v) with mono or multi split solutions.

Mono Split - On Grid

The ACDC Mono Split hybrid system does not require any battery and works through some solar panels (from 2 to 9) which, during sunny days (when the need for cooling is greater), allow it to be fully used, mixing solar energy with the normal 220v-240v only if necessary, thus ensuring significant energy savings, even during the night.

The operating range of the machine goes from -10 ° C to + 52 ° C with rapid cooling function in 30 seconds and powerful heating in 60 seconds.

The noise level of the indoor unit is less than 26dB.

Mono Split - Off Grid

The operation of the unit during the day is allowed by solar energy which also recharges the battery necessary for night operation. Up to 24h of cooling and heating produced through solar energy alone, with a huge saving in energy consumption.

For optimal operation of the machine, it is recommended to use 4 to 10 solar panels and a 4x12v battery. Based on the specific cooling / heating needs required, we will be happy to suggest the most suitable battery.

The operating range of the machine goes from -10 ° C to + 52 ° C with rapid cooling function in 30 seconds and powerful heating in 60 seconds.

The noise level of the indoor unit is less than 26dB

Multi Split

A single motor can manage up to 5 indoor units, each individually thermostatically adjustable. If you wish to operate all the units at the same time, the power of the outdoor motor must obviously be greater than if the indoor units operate at different times.

The operation of the Multi Split solution takes place through the adoption of solar panels (usually from 2 to 9) but does not require, thanks to the technology adopted, the need for an inverter, controller, or battery, ensuring optimization of energy savings even at night.



300W

AC
220V
50-60 HZ

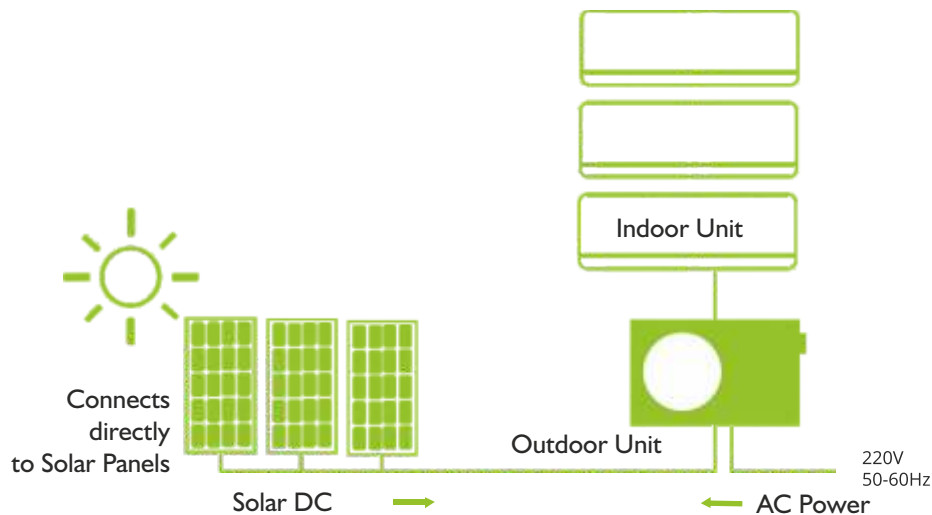
DC
50-380V

TECHNICAL SPECIFICATION OUTDOOR UNIT

MODEL	Nr. PANELS	COOLING CAPACITY	HEATING CAPACITY	COOLING INPUT POWER	HEATING INPUT POWER	OUTDOOR NET/ GROSS WEIGHT	OUTDOOR NET SIZE
ECOMU180N	4	18000BTU	19000BTU	520-1710W	560-1710W	48-52 kg	965x395x755
ECOMU280N	6	28000BTU	29000BTU	850-2389W	865-2419W	68-73 kg	1090x500x875
ECOMU360N	8	36000BTU	37500BTU	1039-3031W	1079-3083W	71-76 kg	1090x500x875
ECOMU460N	10	46000BTU	49000BTU	1300-3750W	1350-3850W	102-116 kg	1095x495x1485

TECHNICAL SPECIFICATION INDOOR UNIT

MODEL	COOLING CAPACITY	HEATING CAPACITY	COOLING INPUT POWER	HEATING INPUT POWER	INDOOR NET/ GROSS WEIGHT	INDOOR NET SIZE
ECOSPO90N	9000BTU	9500BTU	22W	22W	8,2-10	875x285x375
ECOSP120N	12000BTU	13000BTU	22W	22W	8,2-10	875x285x375
ECOSP180N	18000BTU	19000BTU	58W	58W	13,2-16,8	1155x415x315
ECOSP240N	24000BTU	25000BTU	58W	58W	13,2-16,8	1155x415x315





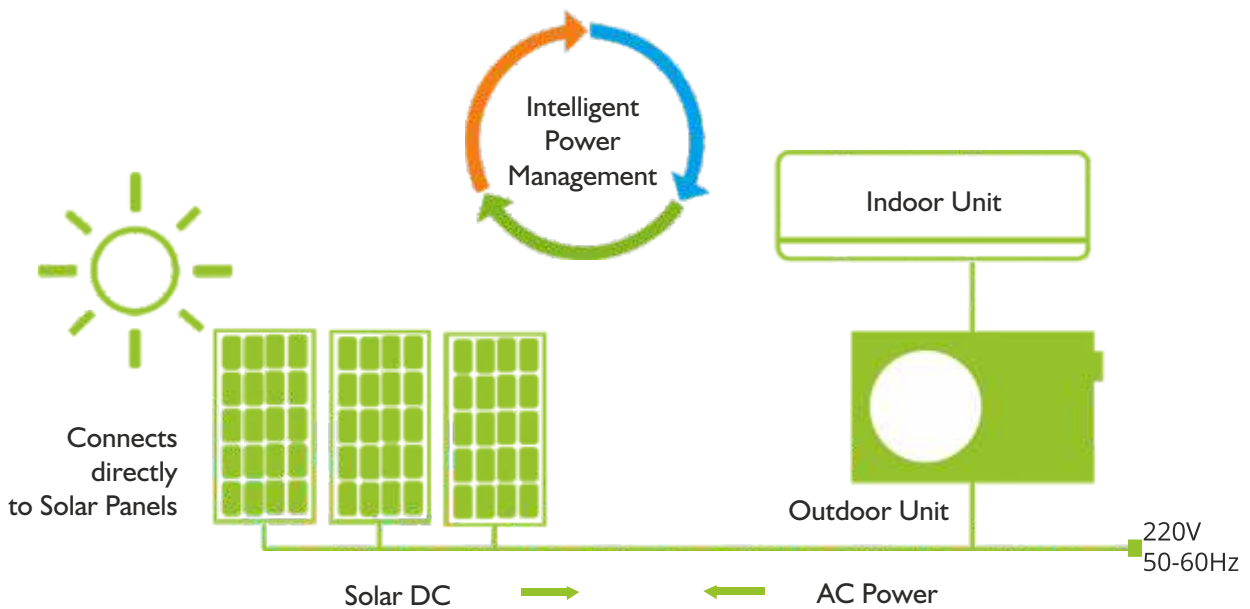
300W

AC
220V
50-60 HZ

DC
50-380V

TECHNICAL SPECIFICATION

MODEL	Nr. PANELS	COOLING CAPACITY	HEATING CAPACITY	COOLING INPUT POWER	HEATING INPUT POWER	INDOOR NET/ GROSS WEIGHT	INDOOR NET SIZE	OUTDOOR NET SIZE
ECOMO090N	2/3	9000BTU	9500BTU	100-1200W	120-1200W	9.6-39 kg	870x270x360	900x400x600
ECOMO0120N	3/4	12000BTU	19000BTU	110-1500W	130-1510W	9.6-40 kg	870x270x360	900x400x600
ECOMO0180N	4/5	18000BTU	19000BTU	140-1800W	200-1900W	12.5-44 kg	1035x305x380	900x400x600
ECOMO0240N	5/6	24000BTU	25000BTU	240-3030W	260-3140W	15.2-62 kg	1120x310x405	1063x480x760
ECOMO0360N	7/8	36000BTU	37500BTU	320-3510W	350-3650W	15.2-73 kg	1120x310x405	1090x500x860



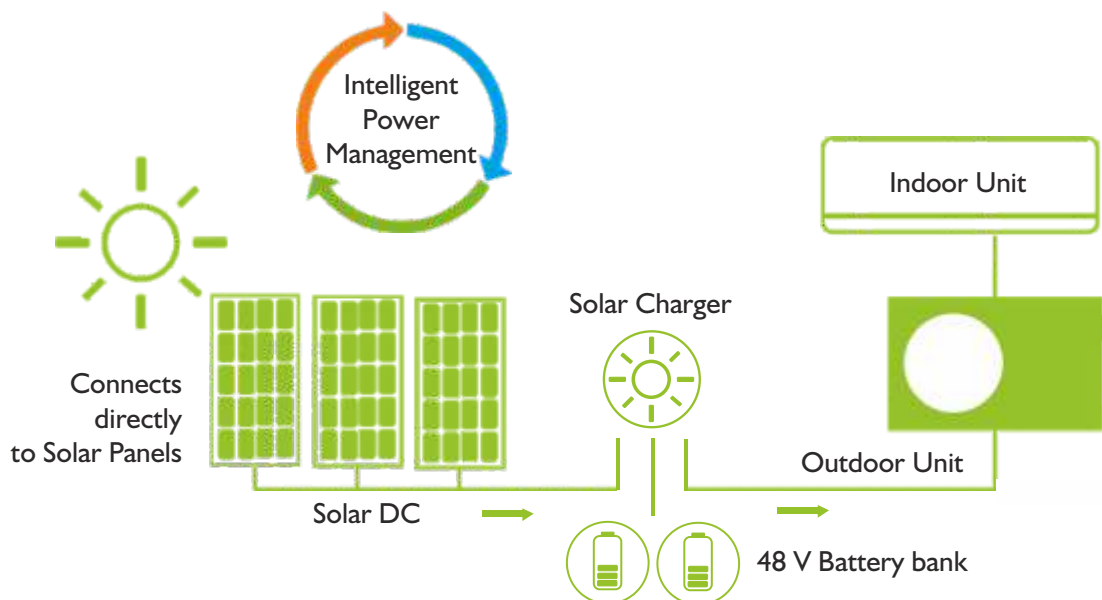


300W

**DC
42-60V**

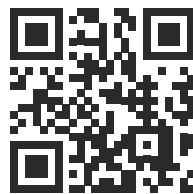
TECHNICAL SPECIFICATION

MODEL	COOLING CAPACITY	HEATING CAPACITY	COOLING INPUT POWER	HEATING INPUT POWER	INDOOR NET/ GROSS WEIGHT	INDOOR NET SIZE	OUTDOOR NET SIZE
ECOMO090FF	9000BTU	9500BTU	100-850W	120-880W	9.6/39	870X270X360	900X400X600
ECOMO0120FF	12000BTU	13000BTU	110-1300W	130-1350W	9.6/42	870X270X360	900X400X600
ECOMO0180FF	18000BTU	19000BTU	140-1650W	200-1710W	12.5/44	1035X305X380	900X400X600
ECOMO0240FF	24000BTU	25000BTU	240-1980W	260-2039W	15.2/59	1120X310X405	1063X480X760
ECOMO0300FF	30000BTU	31000BTU	320-2300W	350-2410W	15.2/69	1120X310X405	1090X500X860
ECOMO0360FF	36000BTU	37500BTU	350-2600W	390-2700W	27.6/73	1340X380X450	1090X500X860





For more information



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