

Air Conditioning Assembly Kit

SelfChill On-Grid Air Conditioning

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The On-Grid Air Conditioning Assembly Kits are pre-configured sets, which contains all necessary components for the final plug-and-play installation. It is a system with PV panels ready for existing grid connection. The air conditioning unit is perfect to cool or heat rooms of an area between 17 and 30 m². The kit includes an inverter which connects the PV panels and the air conditioning system. This way, during solar radiation hours, the Air Conditioning unit is powered by solar reducing energy consumption from the grid. The hybrid inverter inserts solar energy surplus to the grid making it available for other devices. The system can optionally use batteries to store solar energy surplus for the night and reduce even more the energy consumption from the grid.



Components	Quantity
Solar Air Conditioning Unit Phaesun SelfChill	1
Solar Module Phaesun PN6M120-380 C	6
Inverter/ Hybrid Charger Phocos PSW-H-5KW-230/48V	1

Additional Data	
Power Source	220-240V,40-63 Hz, 1Ph
Aircon Unit Rated Current	10.5A
PV Capacity	2,3 kWp
Max. electrical power input	3,50 kW
Inverter Power	5 kW
Cooling Capacity	12000 Btu/h
Heating Capacity	13000 Btu/h
Seasonal Efficiency Ratio (SEER)	8,50 Btu/hW
Refrigerant	R290
Quantity of Refrigerant	0,380 kg
GWP	3
Sound Power Level	50-58 dB(A)