SplitCool DC-18
Solar Powered Direct Current Air-Conditioner

- Daytime and Night Time Operation
- Optimized for Solar Air Conditioning
- Uses Standard Deep-Cycle Golf Cart Batteries
- Works with Standard PV Panels

- 18,000 BTU Nominal Capacity
- Variable Speed BLDC Compressor
- All DC – No Inverter
- Cooling and Heating Modes

100% DC - No Inverter = No Energy Wasted

The DC-18 solar air conditioner has been designed to make the best possible use of costly solar photovoltaic panels. The DC-18 can use approximately 40% fewer solar panels than would be required by a standard AC-powered air conditioner of the same max capacity running off of solar panels through an inverter. The system is perfect for residential, commercial, telecom, portable classrooms or offices, or remote facilities where conventional or generator power is costly and/or unreliable.

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SplitCool DC-18 DC Heat Pump

Max Cooling: 18,000 BTU
Max Heating: 20,500 BTU
Input Voltage: 48 VDC (42.6 - 56v)
Batteries: 6 VDC (min 8) or 12 VDC (min 4)
Battery AH, ea.: 225 – 395
Weight: 165 lbs
Charge Weight: 45 oz.
Refrigerant: R-410a
Compressor: Brushless DC (BLDC)
Low Voltage Disconnect: Yes

Indoor Unit:
* Height: 12.1”
* Width: 34.25”
* Depth: 9.1”
* Air Flow: 470 ft³/min
* Noise Level (dB): 52 (indoor)

Outdoor Unit:
* Height: 30.7”
* Width: 38.6”
* Depth: 13.6”

Features:
* High-SEER BLDC (Brushless DC) permanent magnet motor.
* No Inverter - 100% DC operation
* Variable frequency drive 25hz - 125hz (variable speed)
* Capacity dynamically sized 5,000 BTU-18,000 BTU as needed.
* Solar powered air conditioning requires no AC power.
* Overnight operation available.
* Innovative control logic saves energy by matching cooling capacity to demand.
* Uses 4 standard 12v (or 8 6v) deep cycle solar batteries.
* Batteries are configured in series/parallel for 48 volt operation.
* Uses 3 or more standard 245w solar panels.
* Quiet operation.
* Works with external standard solar charge controller.
* Solar panel and battery requirements will vary based on application and local sunlight conditions.
* Global Safety Certification – TUV CE

SplitCool is a product of Solar Panels Plus LLC

For product information, sales, installation and service, please contact distributor:
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