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**SplitCool DC18 v.1 DC Air Conditioner / Heat Pump**

<b>Max Cooling</b>	18,000 BTU/hr		
<b>Max Heating</b>	20,500 Heating		
<b>Input Voltage</b>	48 VDC (43.2v to 56 v)		
<b>Batteries</b>	12 VDC (min 4) or 6V DC (min 8)		
<b>Battery AH (each)</b>	225-395		
<b>Weight</b>	165 lbs		
<b>Charge Weight</b>	45 oz (2.81 lbs)		
<b>Oil Charge</b>	11.83 fl. oz.		
<b>Refrigerant</b>	R-410a		
<b>Compressor</b>	Brushless DC (BLDC) Rotary		
<b>Low Voltage Disconnect</b>	Yes		
<b>Sound (outdoor unit)</b>	60 dB max		
<b>IDU - Indoor Unit:</b>		<b>ODU - Outdoor Unit (v1) :</b>	
Height	12.1"	Height	24.8"
Width	34.25"	Width	38.6"
Depth	12.1"	Depth	13.6"

**Features:**

- \* High-SEER BLDC (Brushless DC) permanent magnet motor.
  - \* No Inverter - 100% DC operation
  - \* Variable frequency drive 25hz - 120hz (variable speed)
  - \* Capacity dynamically sized 5,000 BTU-18,000 BTU per hour as needed.
  - \* Solar powered air conditioning requires no AC power.
  - \* Rotary Compressor provides high efficiency operation and slow start.
  - \* Overnight operation available.
  - \* Innovative control logic saves energy by matching cooling capacity to demand.
  - \* Uses min. 4 standard 12v (or 8 6v) deep cycle solar batteries.
  - \* Batteries are configured in series/parallel for 48 volt operation.
  - \* Uses 4 or more standard 200w solar panels.
  - \* Works with external standard solar charge controller.
  - \* Solar panel and battery requirements will vary based on application and local sunlight conditions.
  - \* Quiet operation.
  - \* Can be AC-coupled if desired.
  - \* Note - v2 unit (summer 2010) ODU height = 42"
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