

INDSECOM SOLAR

- DC Air Conditioner

12,000 BTU 48V DC Heat Pump VRF
 Dynamic Capacity Compressor
 100% DC - No Inverter

48v Solar/Battery Power
12,000 BTU Heat Pump
Cool or Heat up to 700 ft ²
Variable Capacity
Anti-Corrosion Technology
Eco-Friendly R410a Refrigerant
Washable Filters
Digital Wireless Remote
Quiet Indoor Unit (As Low As 26dB)



User Friendly Remote w/ sleep mode, timer, & follow-me (C or F)



Wall Mount Indoor Unit (IDU)

The IND4812VRF is designed to operate on DC power. There is no AC power used inside or needed externally to operate the unit. DC power is connected to the outdoor unit. The indoor unit receives DC power from the outdoor unit.

Variable Refrigerant Flow & Capacity means that the air conditioner is always the right size for the conditions and is never wasting power.

This unit utilizes SeaSpray™ anti-corrosion technology including hermetically sealed compressor, sealed circuit boards, and silica-nanotech condenser and evaporator protection.



Powered By Batteries & Solar Panels

Using technology similar to SEER 27 air conditioners, the IND2418VRF compressor runs on DC power at various frequencies and refrigerant flow depending on cooling load. The DC solar air conditioner uses DC power directly without needing an inverter or other AC power source. Due to solar voltage fluctuations the unit cannot connect directly to solar panels and must have a stable source of power such as batteries.

A configuration of 6 panels can provide up to 15 hours of daily operation, with 8 panels yielding up to 20 hours. A 10 panel configuration can handle up to 24 hours per day operation. Batteries and charge controller must be sized appropriately.

IND4812VRF DC Solar AC Specifications

Power DC	48 VDC	Indoor Fan RPM (Hi/Med/Lo)	1250/900/700	Outdoor Unit Dimension (W*D*H)	30.4" x 10.2" x 21"
Power DC Range	46-58 VDC	Indoor Air Flow (Hi/Med/Lo)	412/295/235 CFM	Compressor	GMCC Toshiba
Max Cooling Capacity	12000 Btu/h	Indoor Noise Level (Hi/Med/Lo)	39/29/26 dB	Refrigerant	R410A / 38 oz.
Max Power Input, Cooling	980W	Indoor Unit Dimensions (W*D*H)	32" x 8.6" x 11.5"	Pre-charged For Line Set L	25 Ft.
Normal Power Consumption, Cooling	<500W	DC Power Input (Max.)	20 Amps	Max. Lineset Length /Elevation	72 ft. / 16 ft.
Cooling COP	5.66	Low Voltage Disconnect	46V	Moisture Removal	.25 G/h
Cooling EER	19.30	Operating Range (cooling/heating)	20F-122F /5F-90F	Digital Display	F or C
Max Heating Capacity	12624 Btu/h	Outdoor Noise Level	50 db	Refrigerant Oil	VG74 / 17 oz.
Max Power Input, Heating	1050W	Outdoor Fan Motor	Panasonic BLDC	Design Pressure	550/340 PSIG
Normal Power Consumption, Heating	722	Outdoor Fan Input	35W DC	Liquid side/ Gas side	1/4" / 1/2"
Heating COP	3.69	Outdoor Air Flow	1295 CFM	*Cooling COP & EER Rated at normal operating condition	
HSPF	9.6				
Indoor Fan Motor	Panasonic BLDC				
Indoor Fan Input	30W DC				

*Images are representative only. Products are under a continuous improvement process and specifications may change without notice.



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