



# Solar Air Conditioner

## Light Commercial Concealed Duct Type

### ACDC HYBRID



#### 100% Eco

Up to 100% Saving during the day time



#### Savings

No Inverter, battery or charge controller needed



#### Max Efficiency

DC-driven



#### Grid AC Power Limiter

Limit AC power from 0-300W




#### Wide Operating Temperature


Temperature Range between -10°C to +58°C




#### Auto Balance


AC/DC auto balance

 A purpose built DC Hybrid solar air conditioner built from the ground up 100% DC - No electronic inverter.


 They can operate independent of the AC Grid (Off Grid) turning itself on when there is sufficient solar power and back off when there is no longer enough power from the sun.


 No solar grid connection for installation, no utility company authority required.


 Plug and play installation - solar panels connect directly to MC4 solar terminals.

 STC's are claimable on solar panels installed on a unit - essentially covering the cost of the panels.

 Uses eco-friendly R410a refrigerant gas - non-flammable! Compared with widely used flammable R32 gas.

 Brushless DC motors in both indoor and outdoor units ensures extremely quiet operating levels.

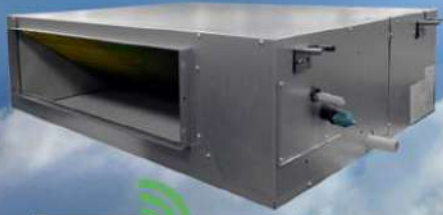
 Can be set to limit the AC power input if power consumption is a concern due to maximum power demand or simply to minimize the power consumption for economic savings.

 Using solar power for one of our highest energy consuming appliances. Just common sense!

**ECOLOGICAL AND ECONOMICAL = JUST COMMON SENSE**



# ACDC HYBRID



■ optional ■ standard

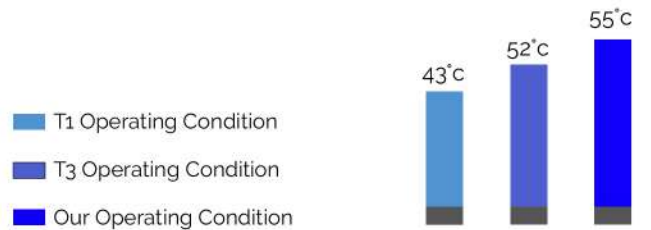
- Wired Controller**
- 180 Sine Wave Control**
- Auto Restart Function**
- Long-term Filter**
- Hydrophilic Aluminum Fin**
- Intelligent Defrosting**
- Fast Cooling/Heating**
- Low Ambient Cooling**
- Remote Control**
- Built-in Drain Pump**
- Golden Fin**
- WIFI Control**

## TECHNICAL DATA

MODEL		5KW DUCTED	7KW DUCTED
Power supply	PH-V-HZ	1 Ph, 220-240V, 50/60Hz	1 Ph, 220-240V, 50/60Hz
	V	DC80-380V	DC80-380V
Cooling	Capacity	W 5150 (1200-5800)	6750 (1800-7500)
	Input	W 1400 (220-1750)	1850 (300-2500)
	Rated current	A 6.09 (1.0-8.86)	6.09 (1.0-8.86)
Heating	Capacity	W 5200 (1200-5400)	7400 (1800-7600)
	Input	W 1310 (220-1400)	1950 (300-2100)
	Rated current	A 6.76 (1.18-9.79)	6.76 (1.18-9.79)
Indoor air flow (Hi/M/Lo)	m3/h	1050/950/900/860/830/800	1050/950/900/860/830/800
Indoor noise level	dB(A)	<43	<45
Indoor Unit	Dimension(W*D*H)	mm 892*670*265	892*670*265
	Packing (W*D*H)	mm 1065*815*330	1065*815*330
	Net/Gross weight	Kg 32/35	33/36
Outdoor air flow	m3/h	2200	3300
Outdoor noise level	dB(A)	<55	<58
Outdoor Unit	Dimension(W*D*H)	mm 802*323*564	900*337*700
	Packing (W*D*H)	mm 910*405*622	1006*418*755
	Net/Gross weight	Kg 37/42	46.5/52
Refrigerant type		R410a	R410a

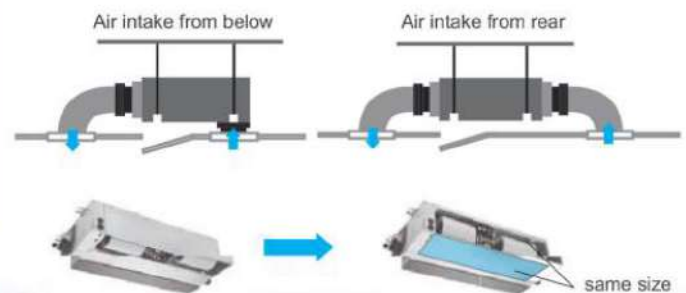
## UP TO 55°C OPERATION

Enjoy excellent performance even under ambient temperatures up to 55°C, suitable for T3 operating conditions.



## OPTIONAL AIR INLET (UNDERNEATH OR REAR)

The Rear Air Intake is standard, a bottom intake is optional. The size of the bottom plate is the same as the flange from the back, which makes it convenient to change installation styles due to different decoration requirements.



## CONTACT US

[info@novaenergy-ksa.com](mailto:info@novaenergy-ksa.com)

[www.novaenergy-ksa.com](http://www.novaenergy-ksa.com)