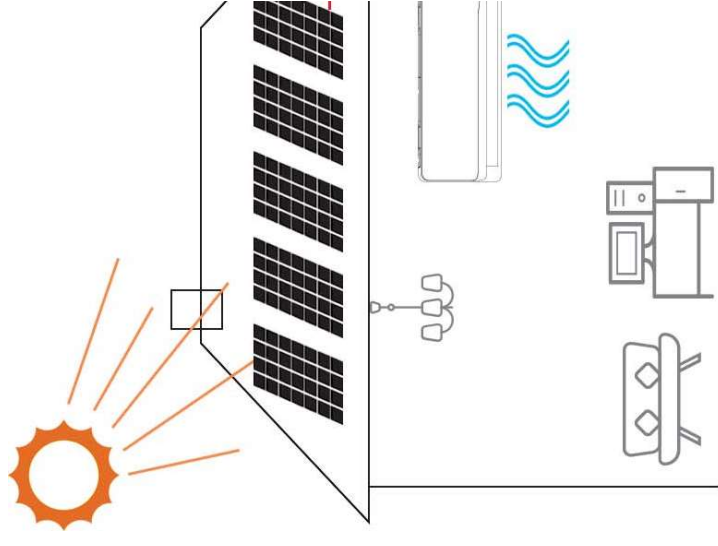
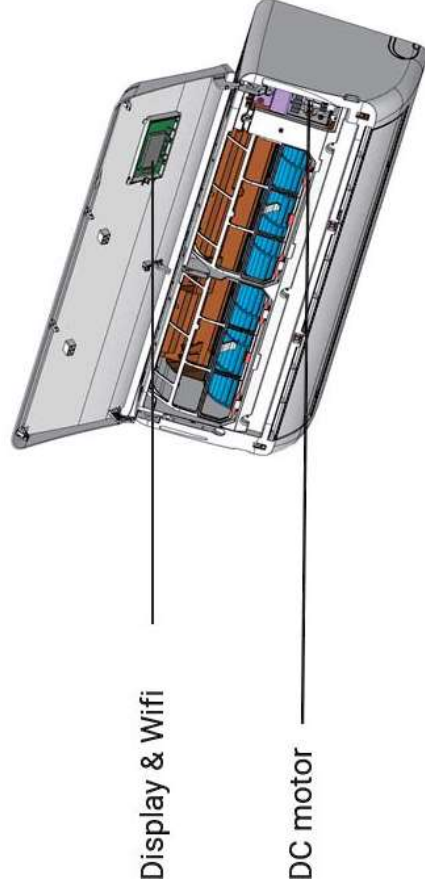


Hybrid AC/DC

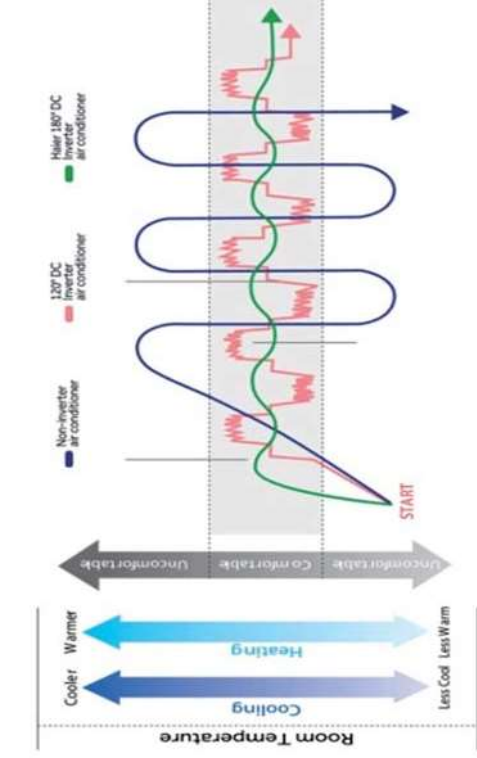
Deye 4th generation hybrid ACDC solar air conditioner is based on full DC inverter air conditioner VRF technology. The main components of our unit is DC inverter compressor, DC fan motor, solar MPPT booster and inverter air conditioner controller.

The hybrid ACDC unit power supply from outdoor unit, it has MC4 connector P+/P- for DC solar panel directly power supply, it has (L/N/E for AC grid power supply. And indoor unit connect with outdoor unit by connection cable. Please check below structure design.



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Hybrid AC/DC



Twin Rotary Compressor

Deye has own 180°sine wave DC inverter controller technology for inverter air conditioner, “SVPWM” which makes the compressor ran at low frequency below 0.1Hz, improve the utilization of the DC compressor by 13% compared with 120 DC inverter controller technology. By 32% compared with Non-inverter air conditioner.

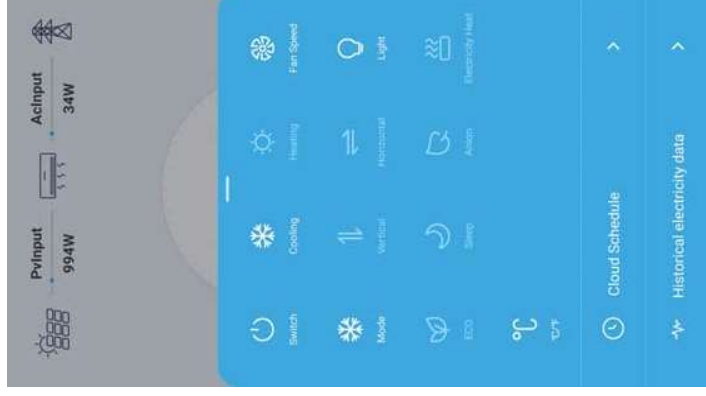
(Patent Number: ZL 2009 1 0127633.8)



MPPT efficiency:99.9%

DC to DC

WiFi Smart Control



App p



Use WiFi or Bluetooth to control

Share device to your family me

Timer setting On & Off

Control multi devices in one AP

Hybrid AC/DC



12000btu 1

T1/T3 Hybrid AC		
Model	Unit	
Power Supply	AC Power	Ph-V-Hz
	DC Power (PV in Series)	V
	DC Power Current	A
Advised Solar Panel		
Rated Cooling	Capacity	Pcs
		W
	Power input	BTU
Rated Heating	Capacity	W
		W
	Power input	W
T1 EER (W/W)/(BTU/W)		
/		
COP (W/W)/(BTU/W)		
/		
Dehumidification capacity		
Compressor	Model	L/h
	Type	/
	Brand	/
Indoor fan motor	Model	
Indoor noise level (Turbo)		
		dB(A)
Indoor unit	Dimension(W×H×D)	mm
	Packing (W×H×D)	mm
	Net weight/Gross weight	Kg
Outdoor fan motor	Model	/
Outdoor noise level		
		dB(A)
	Dimension(W×H×D)	mm

Model	Solar panel In Series connection	QTY
DGWA1-ACDCBLW-12K WiFi 12000BTU/ 1.5P/ 1 Ton		(280-400W) 4pcs
		(400-500W) 3pcs
DGWA1-ACDCBLW-18K WiFi 18000BTU/ 2P/ 1.5 Ton		(280-400W) 6pcs
		(400-500W) 5pcs
DGWA1-ACDCBLW-24K WiFi 24000BTU/ 3P / 2 Ton		(280-400W) 8pcs
		(400-500W) 7pcs

Packing list

OFF GRID DC 48V



DC 48V Solar Air Conditioner			Suggested Accessories		
Model	Power input (w) Average	Work Time (h)	Solar Panel	Battery	Charger
9000BTU	500	8+8	330W*4	12V 100ah*4	48V 60A
12000BTU	800	8+8	330W*6	12V 150ah*4	48V 60A
18000BTU	1300	8+8	330W*12	12V 200ah*8	48V 60A
24000BTU	1700	8+8	330W*16	12V 250ah*8	48V 60A*2

DC48V off grid				
Model			DGWA1-D	
Climate Type	Tropical<=/= 58			T1/
Power supply	Battery	DC		DC48V(4
Rated Cooling	Capacity(T1)	W	2600(10C	
			9000(340	
Rated Heating	Power input(T1)	W	680(18C	
			2900(80	
T1 EER (W/W)/(BTU/W)	Capacity	W	830(16	
			3.90/1	
COP (W/W)/(BTU/W)	Power input	/	3.50/1	
			1.1	
Dehumidification capacity	Model	/	ASK89D	
			Rotary I	
Compressor	Type	/	GM	
			BLDC	
Indoor fan motor	Brand	/	2	
			dB(A)	
Indoor noise level (Turbo)	Dimension(W×H×D)	mm	840×20	
			920×29	
Indoor unit	Packing (W×H×D)	mm	9.0/1	
			Net/Gross weight	
Outdoor fan motor	Model	/	BLDC	