

605117
STOCK CODE

Deye

Solar Heat Pump

Turn sunlight into Heating , environmental protection & energy saving



Hybrid Solar



Build in Solar MPPT



Precise
Temperature



Wi-Fi control



Eco Up to Saving in day time



Build in Solar MPPT



Intelligent control for detection and adjustment



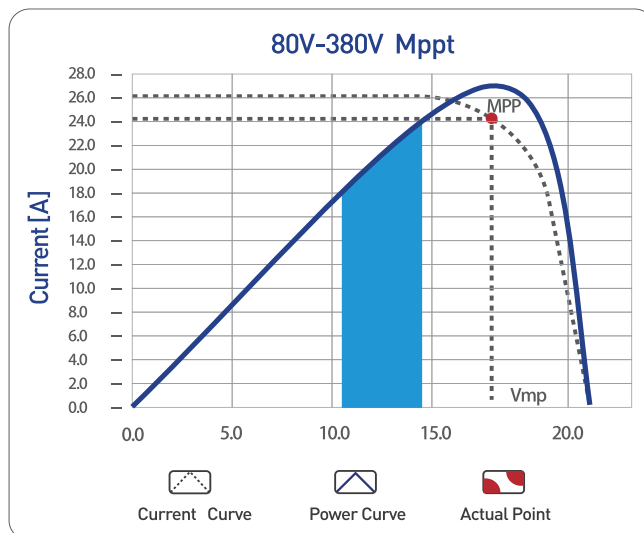
Efficiency:99.9%



DC to DC 0 convert lose



10+ years life design



SVPWM technology



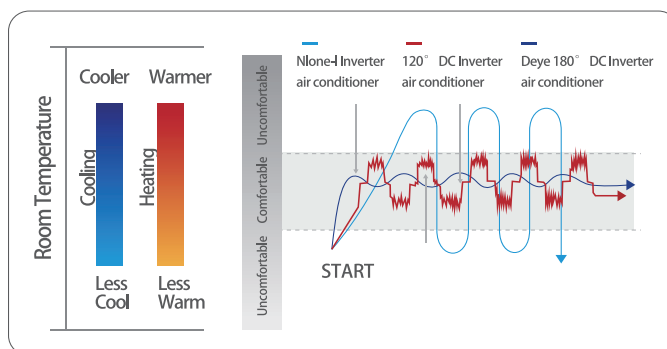
180° sine wave controller technology



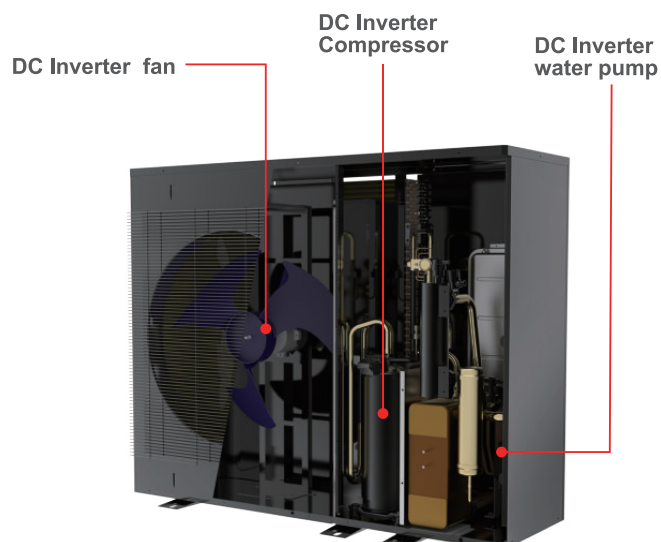
Compressor ran below 0.1Hz



Operate during 50% voltage drop



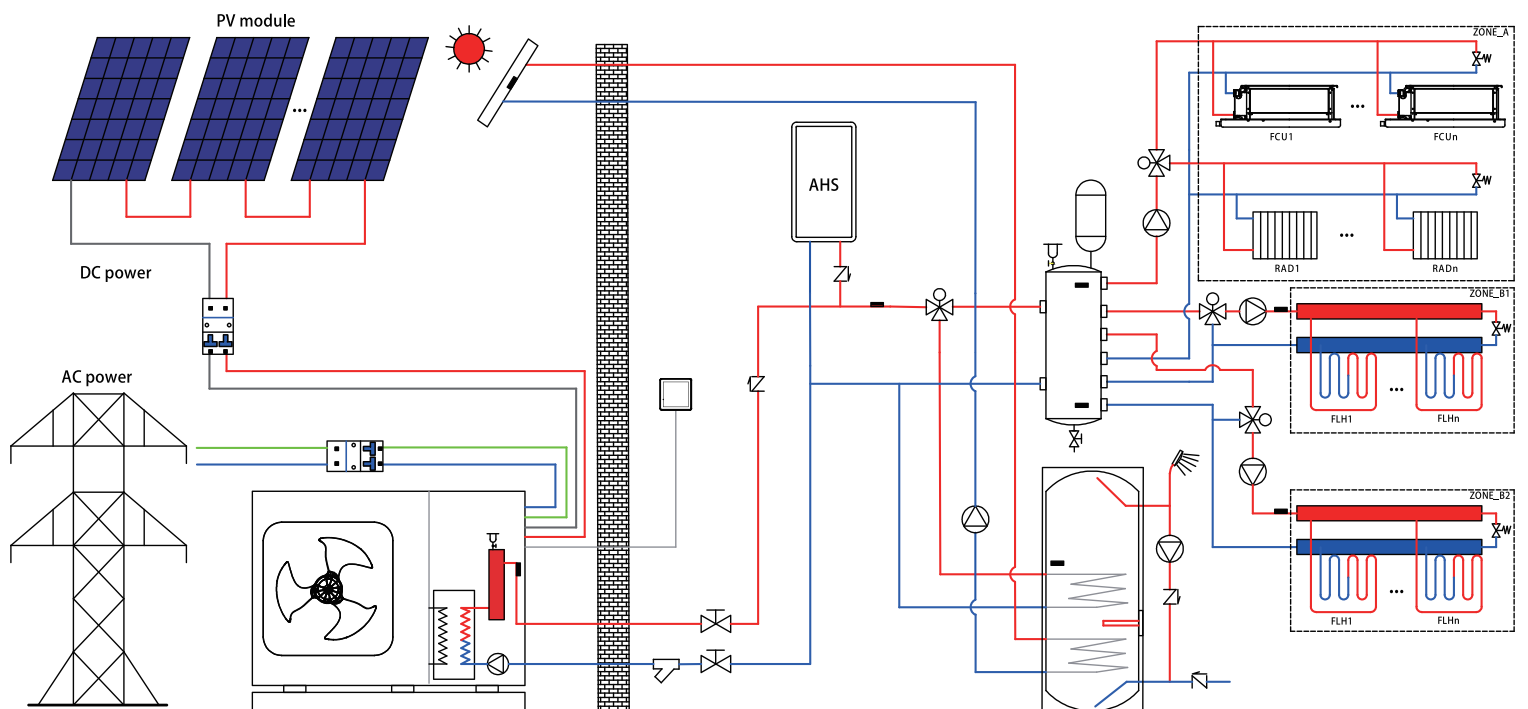
Natural refrigerant R290



Model			8kW	10kW	12kW	16kW	12kW	16kW
			DAWG1-ACDC-08R3EP	DAWG1-ACDC-10R3EP	DAWG1-ACDC-12R3EP	DAWG1-ACDC-16R3EP	DAWG1-ACDC2-12R3EP	DAWG1-ACDC2-16R3EP
Power supply AC	Power AC	V/Ph/H	AC 220-240/1Ph/50/60Hz				AC 380-415/3Ph/50/60Hz	
Power supply DC PV string input data	Voc		DC 140-410V		DC 200-410V		DC 200-660V	
	Max. PV (DC) input current (A)		15		13+13		13+13	
	Max. PV ISC (A)		20		20+20		20+20	
	No.of MPPT trackers		1		2		2	
	No.of Strings per MPPT tracker		1		1+1		1+1	
Cooling(A35W18)	Capacity	KW	8.3	10.0	12.0	16.0	12.0	16.0
	Rated input	KW	1.61	2.11	2.67	4.10	2.67	4.10
	EER		5.15	4.75	4.50	3.90	4.50	3.90
Cooling(A35W7)	Capacity	KW	7.5	8.9	11.5	14.0	11.5	14.0
	Rated input	KW	2.17	2.74	3.77	5.09	3.77	5.09
	EER		3.45	3.25	3.05	2.75	3.05	2.75
Heating(A7W35)	Capacity	KW	8.4	10.0	12.0	15.0	12.0	15.0
	Rated input	KW	1.68	2.13	2.50	3.41	2.50	3.41
	EER		5.00	4.70	4.80	4.40	4.80	4.40
Heating(A7W45)	Capacity	KW	8.2	10.0	12.0	15.0	12.0	15.0
	Rated input	KW	2.13	2.74	3.24	4.48	3.24	4.48
	COP		3.85	3.65	3.70	3.35	3.70	3.35
Heating(A7W55)	Capacity	KW	7.8	9.5	12.0	15.0	12.0	15.0
	Rated input	KW	2.44	3.11	3.87	5.26	3.87	5.26
	COP		3.20	3.05	3.10	2.85	3.10	2.85
Seasonal space heating energy efficiency class	LWT at 35°C		A+++	A+++	A+++	A+++	A+++	A+++
	LWT at 55°C		A+++	A+++	A++	A++	A++	A++
ErP sound power level	Monobloc unit	dB	56	57	57	58	57	58
Net dimension	WxDxH	mm	1283x455x1036		1283x455x1036		1283x455x1036	
Packing dimension	WxDxH	mm	1360x545x1222		1360x545x1222		1360x545x1222	
Net weight	Monobloc unit	kg	150		167		175	
Gross weight	Monobloc unit	kg	174		191		199	
Refrigerant	Type/GWP		R290/3					
	Charged volume	kg	1.1		1.43		1.43	
Max power Input		kw	2.9	3.4	4.8	5.9	4.8	5.9
Operating ambient temp. range	Cooling	°C	-5 ~ 48					
	Heating	°C	-25 ~ 35					
	DHW(tank)	°C	-25 ~ 43					
Setting water temp. range	Cooling	°C	10 ~ 30 (LWT 5-25)					
	Heating	°C	25 ~ 80					
	DHW(tank)	°C	25 ~ 75					
Water circuit	Piping connections	inch	G1-1/4"					
	Safety valve set pressure	MPa	0.3					
	Flow switch	m³/h	0.36		0.6			
	Expansion tank Volume	L	5					
	Capacity of the back-up heater	kw	3		3		9	

Notes:

1. Seasonal space heating energy efficiency class testes in average climate general conditions.
2. Testing standard: EN12102-1.
3. The maximum input power does not include the power of the back-up electric heater;
4. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 813/2013; (EU) No 813/2013; OJ 2014/C 207/02:2014.



Note: AHS means auxiliary heat source, it's not a must.

Solar Swimming Pool Heat Pump

For Above and In Ground Pools and Spas CB C € 



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Precise
Temperature



Wi-Fi control



Eco Up to
Saving in day time



Model	Unit	DSPD1-ACDC-11R2	DSPD1-ACDC-15R2	DSPD1-ACDC-17R2
Rated Grid Power(AC)		208-240V 50/60Hz	208-240V 50/60Hz	208-240V 50/60Hz
Solar Panel Power(DC)		80-380V	80-380V	80-380V
Heating Capacity(27/24.3°C)	KW	2.1-11.2	2.3-15.0	2.4-17.0
Heating Power Input	KW	0.14-1.72	0.15-2.31	0.15-2.83
COP		15.5-6.5	15.8-6.5	16.0-6.0
Heating Capacity(15/12°C)	KW	1.6-8.0	1.8-10.5	1.9-13.0
Heating Power Input	KW	0.21-1.67	0.24-2.19	0.25-2.71
COP		7.7-4.8	7.5-4.8	7.6-4.8
Cooling Capacity(35/24°C)	KW	1.3-6.7	1.7-7.2	2.1-7.8
Cooling Power Input	KW	0.19-1.85	0.25-2.0	0.31-2.2
EER		6.9-3.6	6.8-3.6	6.7-3.5
Max Power Consumption	KW	2.11	2.97	2.97
Max Current(AC)	A	9.2	13.0	13.0
Max Current(DC)	A	20.0	20.0	20.0
Water Proof Level		IPX4	IPX4	IPX4
Electric Shock Prevention		Class I	Class	Class
Refrigerant		R32	R32	R32
Compressor	TYPE	Rotary	Rotary	Rotary
	BRAND	HIGHLY	PANASONIC	PANASONIC
Water Side Heat Exchanger		Titanium	Titanium	Titanium
Air Side Heat Exchanger		Finned tube	Finned tube	Finned tube
Fan Power Input	W	55	55	55
Fan Direction		Horizontal	Horizontal	Horizontal
Water Connection	mm	48.3	48.3	48.3
Water Flow Volume	m³/h	3.2	4.0	4.6
Water Pressure Drop(max)	KPa	5.5	8.0	10.0
Max. Pool Volume	m³	25~50	30~60	35~65
Noise(1m)	dB(A)	39-51	42-53	43-54
Unit Net Dimensions(L/W/H)	mm	995x432x633	995x432x633	995x432x633
Unit Ship Dimensions(L/W/H)	mm	1063x475x695	1063x475x695	1063x475x695
Net Weight	kg	45	48	50
Shipping Weight	kg	50	53	55

Heating: Outdoor air temp: 27/24.3°C, Inlet water temp: 26°C

Outdoor air temp: 15/12°C, Inlet water temp: 26°C

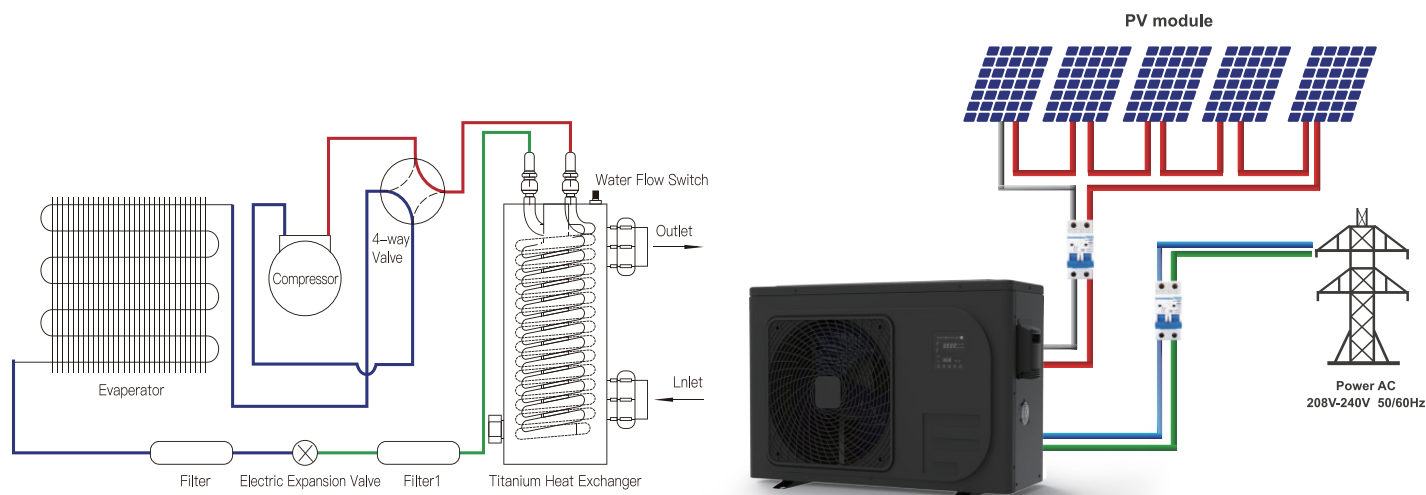
Operating range:

Ambient temperature: -15~43°C

Inlet Water temperature: 10~35°C

Cooling Capacity at Air 35°C, Outlet water temp: 27°C

Note: Parameters are subject to change without prior notice, please refer to the nameplate!



- **Efficient** - Eco Up to Saving in day time
- **Smart** - WIFI Monitoring & Intelligent Protections
- **Quiet** - Compressor Dual Shock Absorption
- **Secure** - Explosion-proof



Low Noise Operation



Precise Temperature



Eco Up to
Saving in day time



Build in Solar MPPT



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