

605117
STOCK CODE

Deye

Solar Heat Pump

Turn sunlight into Heating , environmental protection & energy saving



DC Inverter



WIFI control



Hybrid Solar



A+++



Precise
Temperature



Low Noise
Operation



Build in Solar MPPT



Intelligent control for detection and adjustment



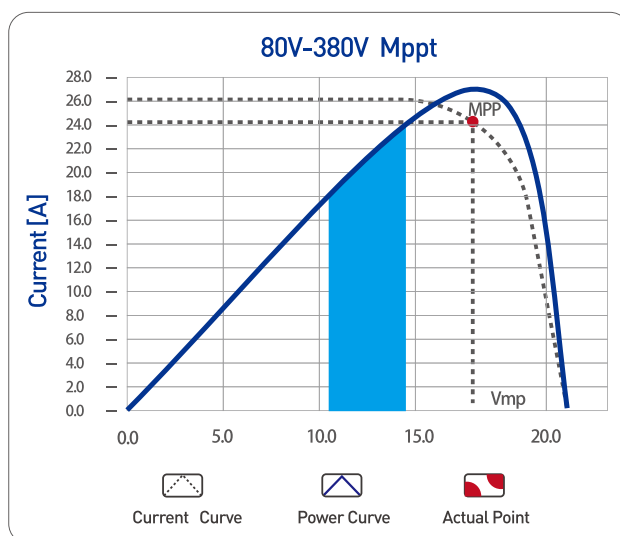
Efficiency: 99.9%



DC to DC 0 convert lose



10+ years life design



SVPWM technology



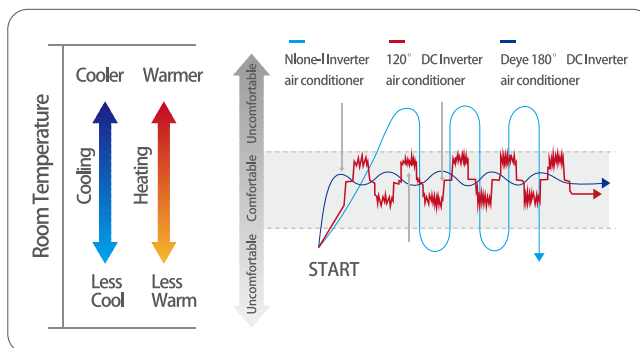
180° sine wave controller technology



Compressor ran below 0.1Hz



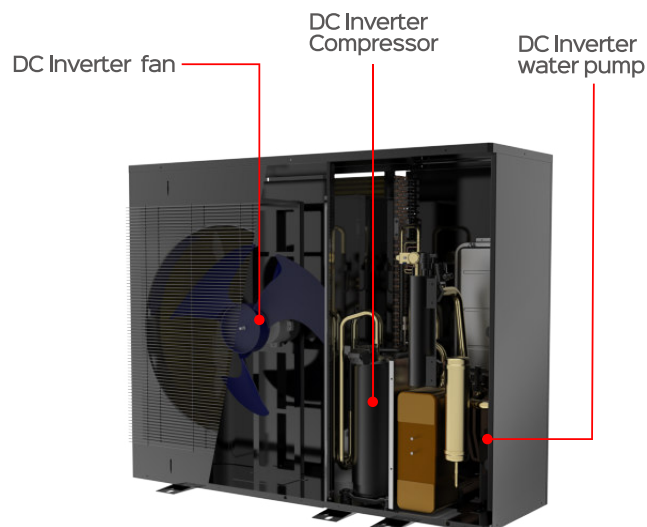
Operate during 50% voltage drop



Natural refrigerant R290



Parallel connection of multiple machines

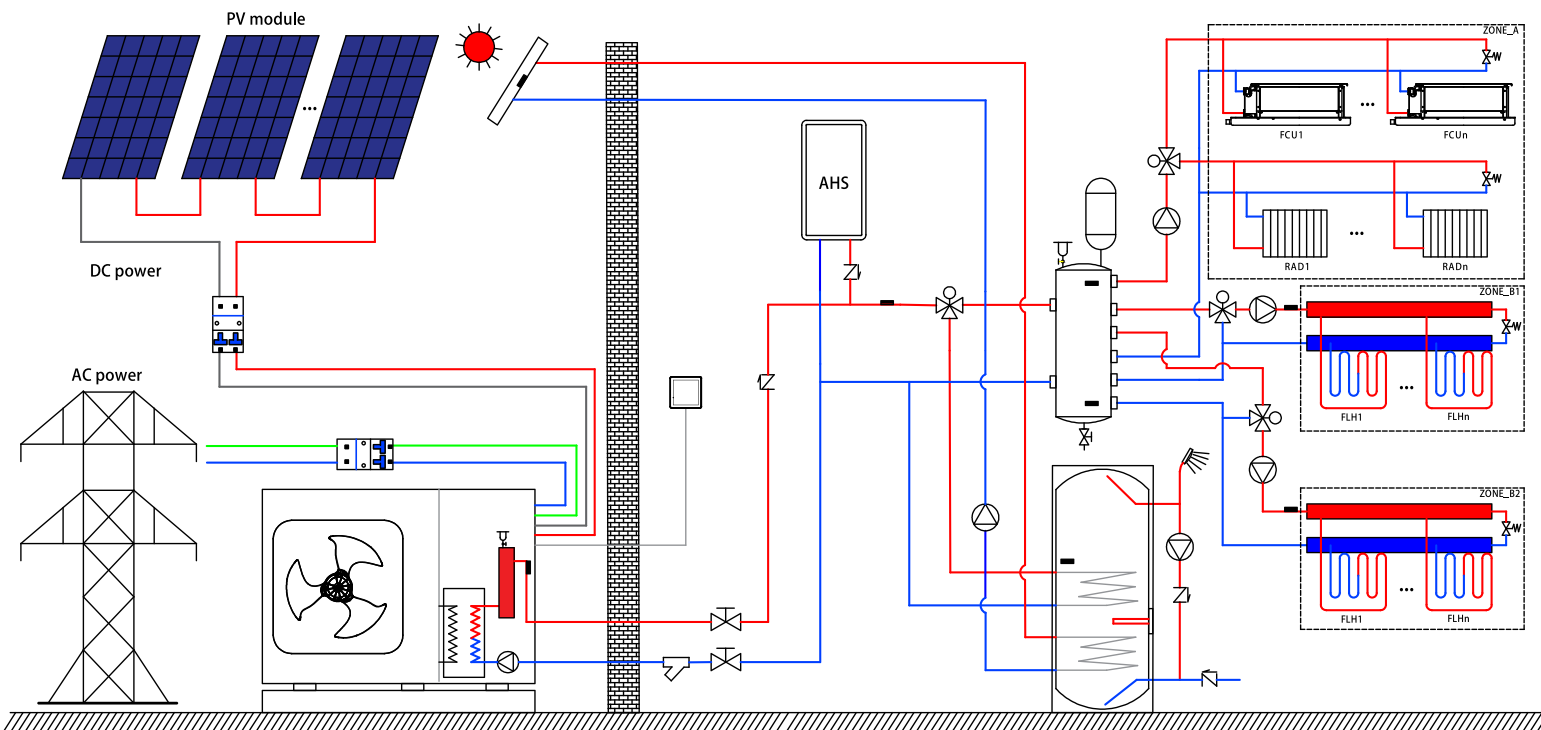


Specifications

Model			4kw	6kw	8kw	10kw	12kw	14kw	16kw	12kw	14kw	16kw	
			DAWFI-ACDC-04R3EP	DAWFI-ACDC-06R3EP	DAWGI-ACDC-08R3EP	DAWGI-ACDC-10R3EP	DAWGI-ACDC-12R3EP	DAWGI-ACDC-14R3EP	DAWGI-ACDC-16R3EP	DAWGI-ACDC2-12R3EP	DAWGI-ACDC2-14R3EP	DAWGI-ACDC2-16R3EP	
Power supply AC	Power AC	V/Ph/H	AC 220-240/1/50							AC 380-415/3/50			
Power supply DC PV string input data	Voc		DC 80-380V		DC 150-410V		DC 200-410V			DC 200-750V			
	Max. PV (DC) input current (A)		13		26(13+13)		13*(13+13)			13+13			
	Max. PVISC (A)		22		44(22+22)		22*(22+22)			22+22			
	No.of MPPT trackers		1		1		2			2			
	No.of Strings per MPPT tracker		1		2		1+2			1			
Cooling(A35W18)	Capacity	KW	4.5	6.5	8.3	10.0	12.0	14.0	16.0	12.0	14.0	16.0	
	Rated input	KW	0.82	1.27	1.61	2.11	2.67	3.33	4.10	2.67	3.33	4.10	
	EER		5.50	5.10	5.15	4.75	4.50	4.20	3.90	4.50	4.20	3.90	
Cooling(A35W7)	Capacity	KW	4.7	6.8	7.5	8.9	11.5	12.7	14.0	11.5	12.7	14.0	
	Rated input	KW	1.29	2.19	2.17	2.74	3.77	4.38	5.09	3.77	4.38	5.09	
	EER		3.65	3.10	3.45	3.25	3.05	2.90	2.75	3.05	2.90	2.75	
Heating(A7W35)	Capacity	KW	4.5	6.2	8.4	10.0	12.0	14.0	15.0	12.0	14.0	15.0	
	Rated input	KW	0.87	1.27	1.68	2.13	2.50	3.11	3.41	2.50	3.11	3.41	
	EER		5.15	4.90	5.00	4.70	4.80	4.50	4.40	4.80	4.50	4.40	
Heating(A7W45)	Capacity	KW	4.50	6.4	8.2	10.0	12.0	14.0	15.0	12.0	14.0	15.0	
	Rated input	KW	1.11	1.68	2.13	2.74	3.24	4.00	4.48	3.24	4.00	4.48	
	COP		4.05	3.80	3.85	3.65	3.70	3.50	3.35	3.70	3.50	3.35	
Heating(A7W55)	Capacity	KW	4.6	6.2	7.8	9.5	12.0	14.0	15.0	12.0	14.0	15.0	
	Rated input	KW	1.44	2.00	2.44	3.11	3.87	4.67	5.26	3.87	4.67	5.26	
	COP		3.20	3.10	3.20	3.05	3.10	3.00	2.85	3.10	3.00	2.85	
Seasonal space heating energy efficiency class	LWT at 35°C		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	
	LWT at 55°C		A++	A++	A+++	A+++	A++	A++	A++	A++	A++	A++	
ErP sound power level	Monobloc unit	dB	55	55	56	56	57	57	58	57	57	58	
Net dimension	WxDxH	mm	1130x450*710		1283x455x1036		1283x455x1036			1283x455x1036			
Packing dimension	WxDxH	mm	1205x555*870		1360x545x1222		1360x545x1222			1360x545x1222			
Net weight	Monobloc unit	kg	95		150		167			175			
Gross weight	Monobloc unit	kg	106		174		191			199			
Refrigerant	Type/GWP		R290/3										
	Charged volume	kg	0.8		1.1		1.43			1.43			
Max power Input		kw	1.9	2.3	2.9	3.4	4.8	5.5	5.9	4.8	5.5	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"		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.

Installation Diagram



Solar Heat Pump

- **Efficient** - R290 A+++ Energy Label
- **Smart** - WIFI Monitoring & Intelligent Protections
- **Quiet** - Compressor Dual Shock Absorption
- **Secure** - Explosion-proof
- **Parallel** - connection of multiple machines

R290



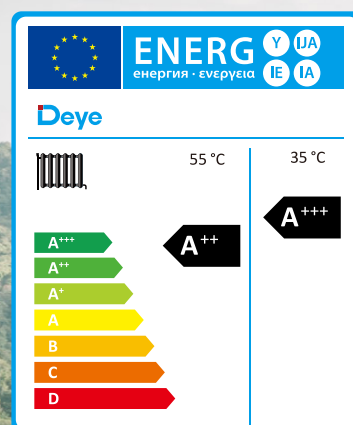
Low Noise
Operation



Precise
Temperature



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