

605117
STOCK CODE

Deye

Solar Swimming Pool Heat Pump

For Above and In Ground Pools and Spas



Hybrid Solar



WiFi control



DC Inverter



Precise
Temperature



Low Noise
Operation



Solar Swimming Pool Heat Pump

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(15/12C)	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(35/24C)	KW	6.7-1.3	7.2-1.7	7.8-2.1
Cooling Power Input	KW	1.85-0.19	2.0-0.25	2.2-0.31
EER		3.62~6.85	3.6~6.7	3.55~6.7
Max Power Consumption	A	2.11	2.97	2.97
Max Current(AC)	A	9.2	13.0	13.0
Max Current(DC)		12.0	12.0	12.0
Water Proof Level		IPX4	IPX4	IPX4
Electric Shock Prevention		ClassI	Class	Class
Refrigerant		R32	R32	R32
Compressor		Rotary	Rotary	Rotary
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	m ³ /h	3.2	4.0	4.6
Water Pressure Drop(max)	KPa	5.5	8.0	10.0
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: 27/24.3C , Inlet water temp: 26°C

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

Operating range:

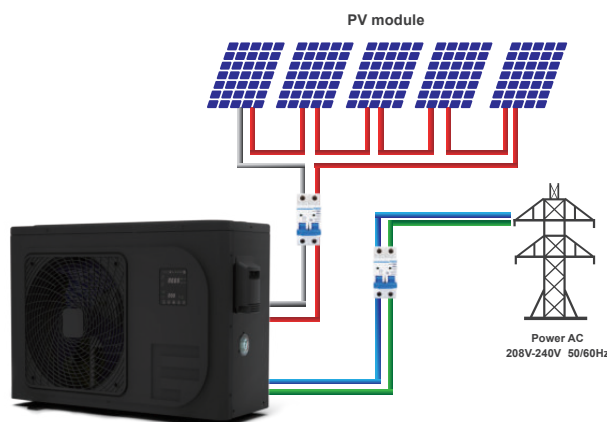
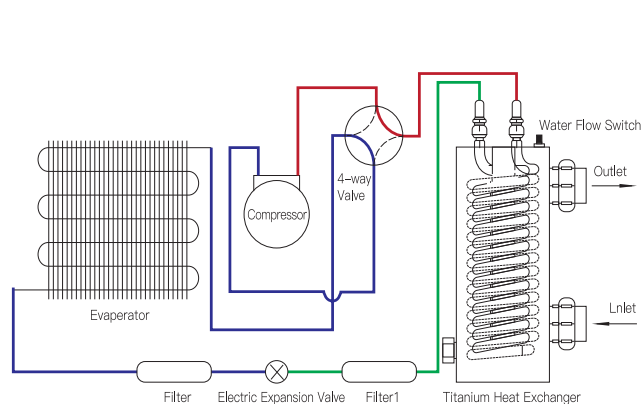
Ambient temperature: -15~43

Inlet Water temperature: 10~35C

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

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

Installation Diagram



Solar AC technology

Build in Solar MPPT



Intelligent control for detection and adjustment



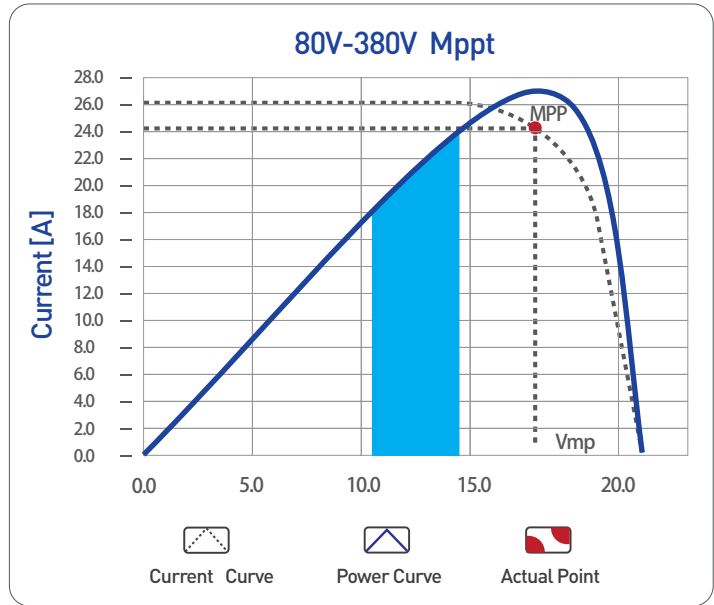
Efficiency:99.9%



DC to DC 0 convert lose



10+ years life design



SVPWM technology



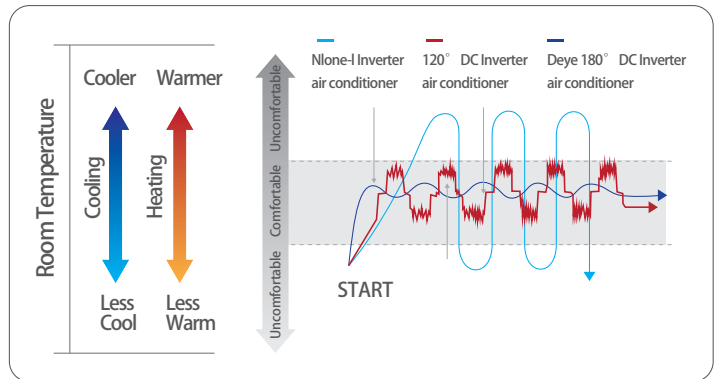
180° sine wave controller technology



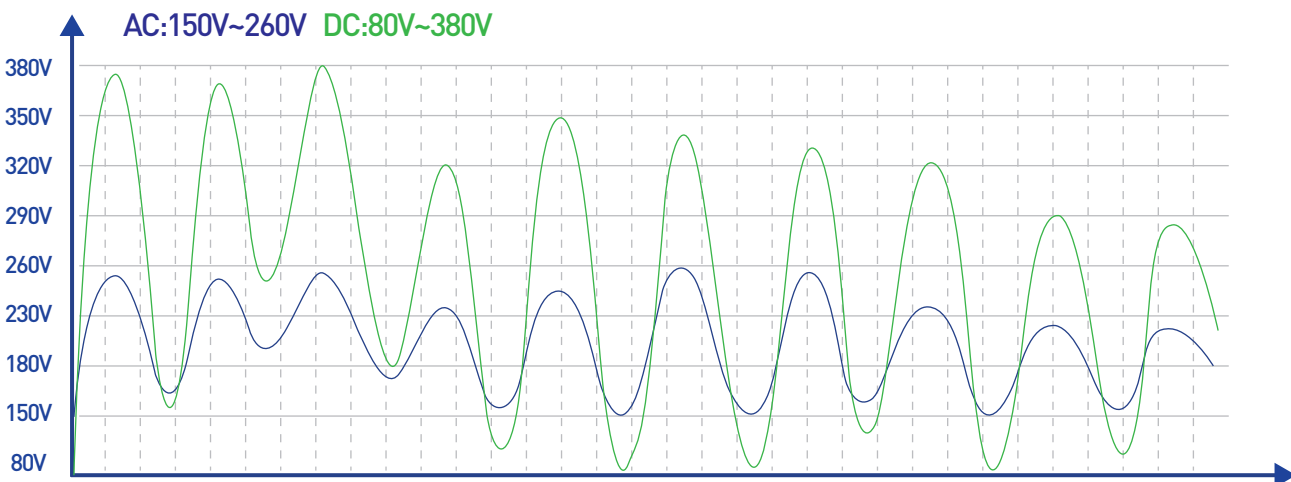
Compressor ran below 0.1Hz



Operate during 50% voltage drop



Wide Voltage input



Smart Hybrid ACDC Function

AC grid power and Dc solar power auto balance



89%

1419W



11%

179W



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Swimming Pool Heat Pump



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