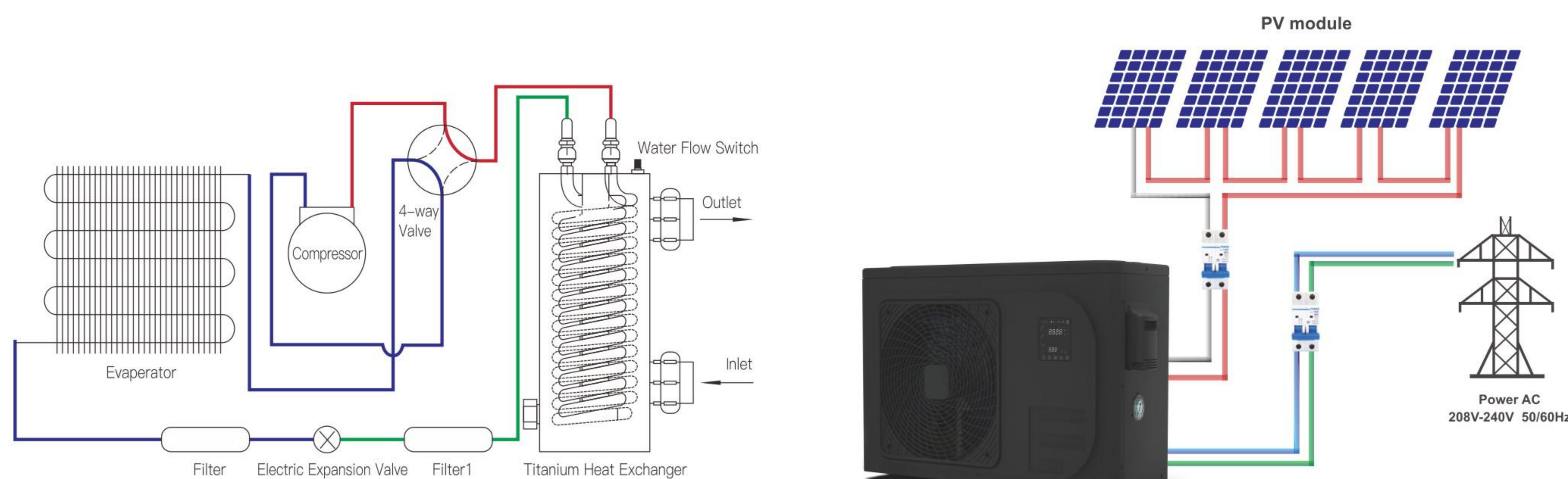


## Solar Swimming Pool Heat Pump

Model	Unit	DSPD1-ACDC-10R2	DSPD1-ACDC-13R2	DSPD1-ACDC-15R2	DSPD1-ACDC-17R2
Rated Grid Power(AC)		208-240V 50/60Hz	208-240V 50/60Hz	208-240V 50/60Hz	208-240V 50/60Hz
Solar Panel Power(DC)		80-380V	80-380V	80-380V	80-380V
Heating Capacity(27/24.3°C)	kW	2.1-10.2	2.3-13.6	2.4-15.5	2.4-17.0
Heating Power Input	kW	0.14-1.57	0.15-2.09	0.15-2.58	0.15-2.83
COP		15.5-6.5	15.8-6.5	16.0-6.0	16.0-6.0
Heating Capacity(15/12°C)	kW	1.6-7.3	1.8-9.5	1.9-11.7	1.9-13.0
Heating Power Input	kW	0.21-1.52	0.24-1.98	0.25-2.44	0.25-2.71
COP		7.7-4.8	7.5-4.8	7.6-4.8	7.6-4.8
Cooling Capacity(35/24C)	kW	6.7~1.3	7.2~1.7	7.2~1.7	7.8~2.1
Cooling Power Input	kW	1.85~0.19	2.0~0.25	2.0~0.25	2.2~0.31
EER		3.62~6.85	3.6~6.7	3.6~6.7	3.55~6.7
Max Power Consumption	kW	2.11	2.97	2.97	2.97
Max Current(AC)	A	9.2	13.0	13.0	13
Max Current(DC)	A	12.0	12.0	12.0	12
Water Proof Level		IPX4	IPX4	IPX4	IPX4
Electric Shock Prevention		Class I	Class I	Class I	Class
Refrigerant		R32	R32	R32	R32
Compressor		Rotary	Rotary	Rotary	Rotary
Water Side Heat Exchanger		Titanium	Titanium	Titanium	Titanium
Air Side Heat Exchanger		Finned tube	Finned tube	Finned tube	Finned tube
Fan Power Input	W	55	55	55	55
Fan Direction		Horizontal	Horizontal	Horizontal	Horizontal
Water Connection	mm	48.3	48.3	48.3	48.3
Water Flow Volume	m3/h	3.2	4.0	4.6	4.6
Water Pressure Drop(max)	kPa	5.5	8.0	10.0	10
Noise(1m)	dB(A)	39-51	42-53	43-54	43-54
Unit Net Dimensions(L/W/H)	mm	995×432×633	995×432×633	995×432×633	995×432×633
Unit Ship Dimensions(L/W/H)	mm	1063×475×695	1063×475×695	1063×475×695	1063×475×695
Net Weight	kg	45	48	50	50
Shipping Weight	kg	50	53	55	55
"Advised Pool Volume"	m <sup>3</sup>	25~50	30~60	36~65	40~70
stuffing quantity	40H/40/20	155/144/72	155/144/72	155/144/72	155/144/72

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 : Outdoor air temp:35°C,outlet water temp.27°C

### Installation Diagram

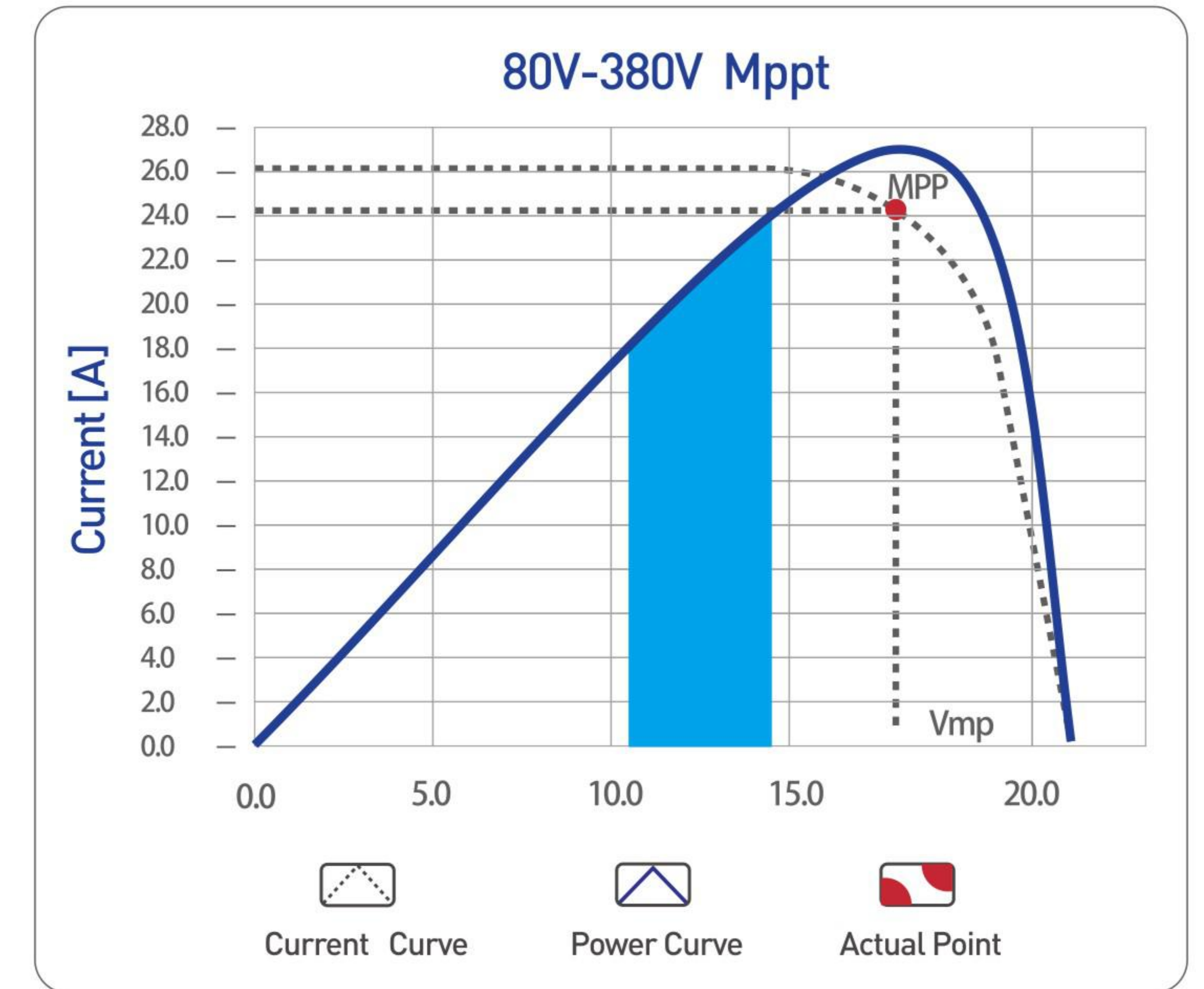


CB CE

## DC-driven technology

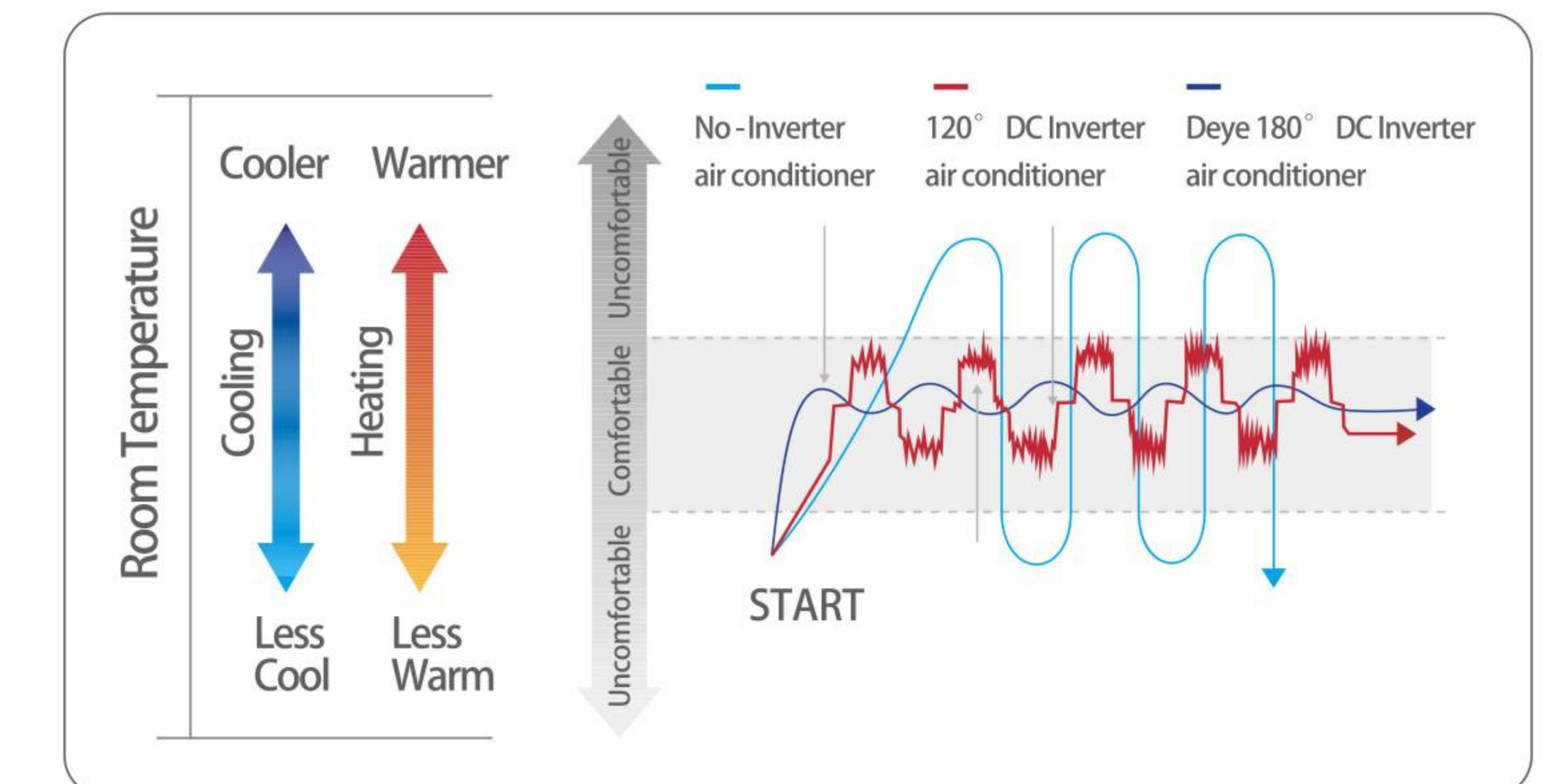
### Build in Solar MPPT

- Intelligent control for detection and adjustment
- Efficiency : 99.9%
- DC to DC 0 conversion lose
- 10+ years life design



### SVPWM technology

- 180° sine wave controller technology
- Compressor runs below 0.1Hz
- Operate during 50% voltage drop



### Wide Voltage input

