

# Solar Air Conditioner



**ACDC HYBRID**



DC Inverter



WIFI control



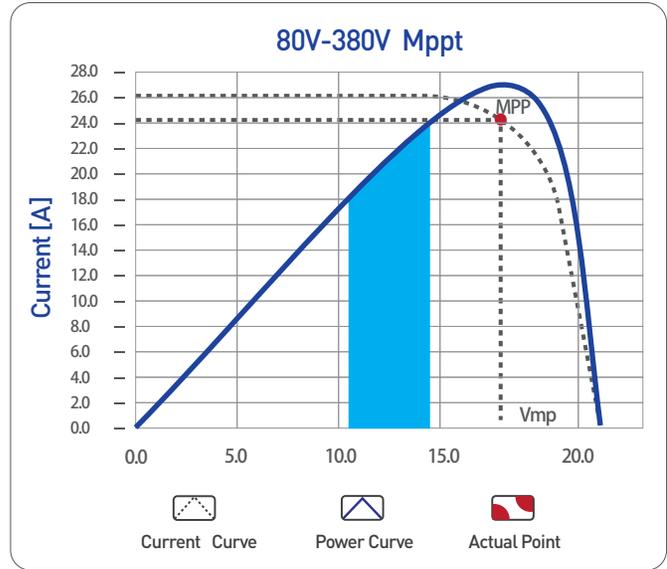
Hybrid Solar

# Solar AC technology

## Build in Solar MPPT



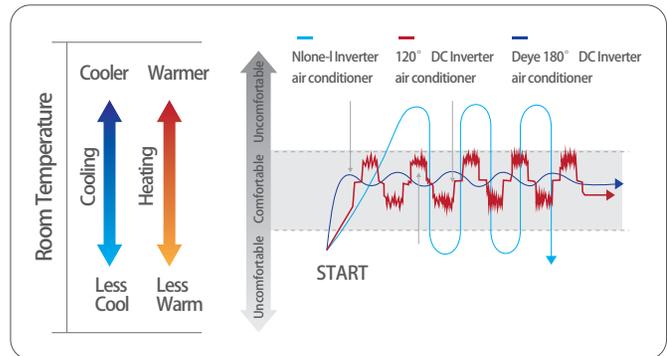
-  Intelligent control for detection and adjustment
-  Efficiency:99.9%
-  DC to DC 0 convert lose
-  10+ years life design



## SVPWM technology



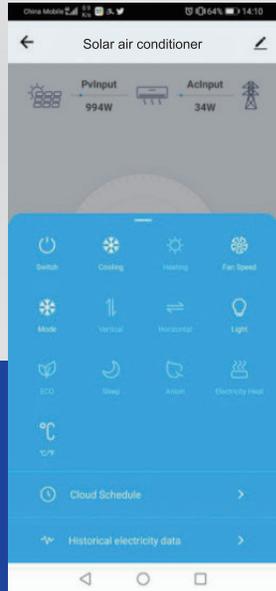
-  180° sine wave controller technology
-  Compressor ran below 0.1Hz
-  Operate during 50% voltage drop



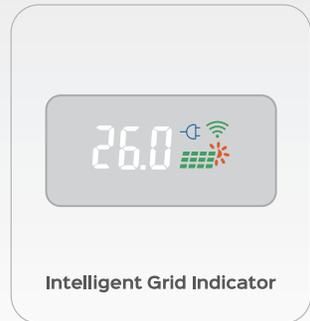
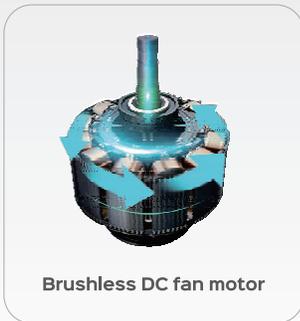
## Solar AC advantage



ITEM	DEYE Hybrid Solar AC	Conventional Inverter
AC Power supply(220V 50/60HZ)	Y	Y
DC Power supply(80VDC-380VDC)	Y	N
AC+DC Mix Power	Y	N
No electricity works	Y	N
App smart control	Y	Depends
App smart power meter	Y	N
Soft power start	Y	N
Average Energy saving	60-100%	20%



## Key components



## WiFi Smart Control



Designed for end-user



Monitor unit make energy saving visible



Easy setting



Convenient & long range remote control



# Technical Specifications

## Tropical Applicable



Items	Unit	12000BTU	18000BTU	24000BTU
Mode	/	DGWA2-ACDC-12K	DGWA1-ACDC-18K	DGWA1-ACDC-24K
Solar Power Voltage	V	80~380	80~380	80~380
Grid Power Voltage	V/Hz	208V~240V/50~60Hz	208V~240V/50~60Hz	208V~240V/50~60Hz
Cooling Capacity (T1)	BTU	12000(3000-13300)	17300(4100-20400)	22000(6100-27000)
Cooling power input (T1)	W	940(190-1270)	1400(220-2100)	1790(300~3200)
Heating Capacity	W	3600(900-3960)	5150(1500~5250)	7000(1800-7200)
Heating power input	W	940(180~1250)	1260(250~1410)	2030(340~2150)
EER	BTU/W	12.76	12.36	12.29
Indoor unit Dimension(WxHxD)	mm	840x205x295	1080x330x237	1080x330x237
Indoor unit Packing(WxHxD)	mm	920x290x360	1140x300x382	1140x362x300
Outdoor unit Dimension (WxHxD)	mm	802x564x323	802x564x323	900x700x337
Outdoor unit Packing (WxHxD)	mm	910x622x405	910x622x405	1006x755x418



**100% Eco**  
Up to 100% Saving in day time



**Grid AC Power Limiter**  
Limit AC power from 0-300W



**Savings**  
No Inverter battery, or Charger controller needed



**Wide Operating Temperature**  
Temperature Range between -10 to +60°C



**Max Efficiency**  
DC-driven



**Auto Balance**  
AC/DC auto balance





# Technical Specifications

## Tropical Applicable



Items	Unit	12000BTU	18000BTU	24000BTU
Mode		DGWA2-ACDC-12KR2	DGWA1-ACDC-18KR2	DGWA1-ACDC-24KR2
Solar Power Voltage	V	80~380	80~380	80~380
Grid Power Voltage	V/Hz	208V~240V/50~60Hz	208V~240V/50~60Hz	208V~240V/50~60Hz
Cooling Capacity	W	3500(800~3900)	5010(1300~5850)	6400(1800~7800)
Cooling power input	W	860(150~1100)	1250(220~1670)	1690(340~2550)
Heating Capacity	W	3500(900~4200)	5010(1300~5200)	7030(1800~7800)
Heating power input	W	870(150~1200)	1200(220~1420)	1780(320~2190)
EER	W/W	4.07	4.01	3.79
Indoor unit Dimension (WxHxD)	mm	840x205x295	1080x330x237	1080x330x237
Indoor unit Packing (WxHxD)	mm	920x290x360	1140x300x382	1140x362x300
Outdoor unit Dimension (WxHxD)	mm	802x564x323	802x564x323	900x700x337
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