

605117
STOCK CODE

EnStar

Solar Air Conditioner



ACDC HYBRID

2024



DC Inverter



WIFI control



Hybrid Solar



Solar AC technology

Build in Solar MPPT



Intelligent control for detection and adjustment



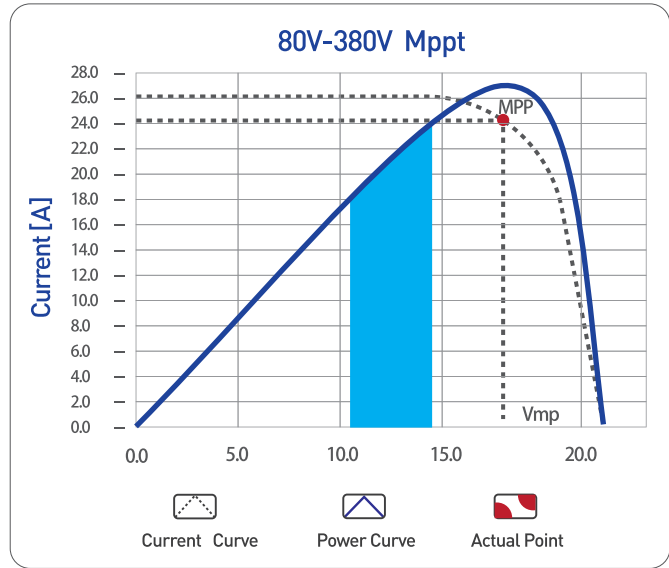
Efficiency:99.9%



DC to DC 0 convert lose



10+ years life design



SVPWM technology



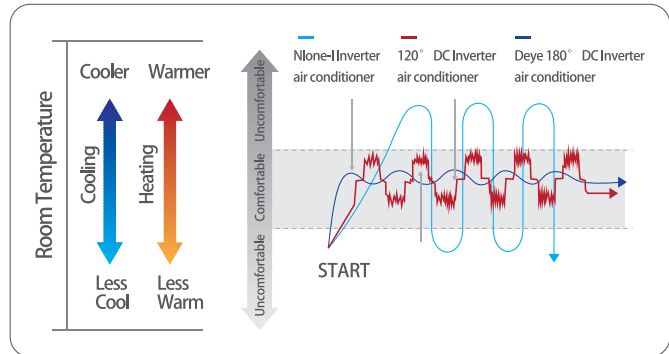
180° sine wave controller technology



Compressor ran below 0.1Hz



Operate during 50% voltage drop



Solar AC advantage



ITEM

AC Power supply(220V 50/60HZ)

DC Power supply(80VDC-380VDC)

AC+DC Mix Power

No electricity works

App smart control

App smart power meter

Soft power start

Average Energy saving

DEYE Hybrid Solar AC

Y

Y

Y

Y

Y

Y

Y

60-100%

Conventional Inverter

Y

N

N

N

Depends

N

N

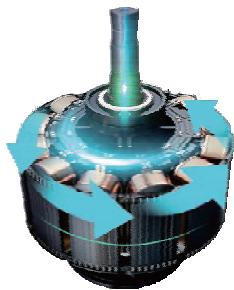
20%



Smart WiFi



Key components



Brushless DC fan motor



Twin Rotary DC Compressor



Intelligent Grid Indicator

WiFi Smart Control



Designed for end-user



Monitor unit make energy saving visible



Easy setting



Convenient & long range remote control



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



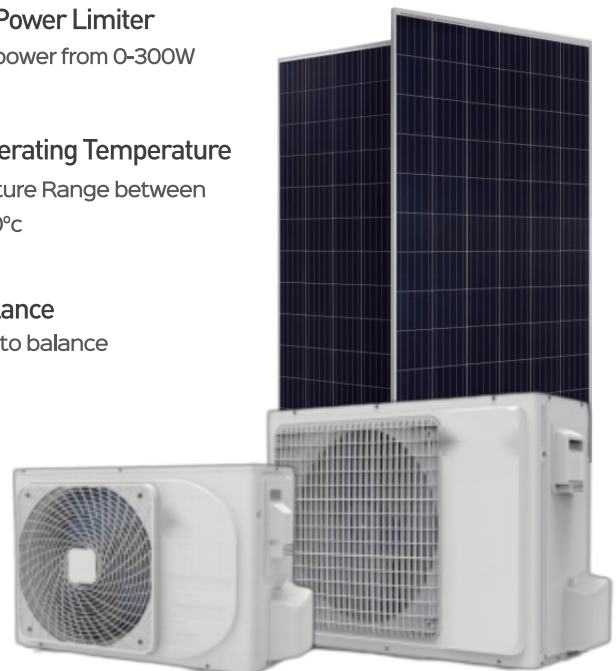
Wide Operating Temperature
Temperature Range between -10 to +60°C



Max Efficiency
DC-driven



Auto Balance
AC/DC auto balance

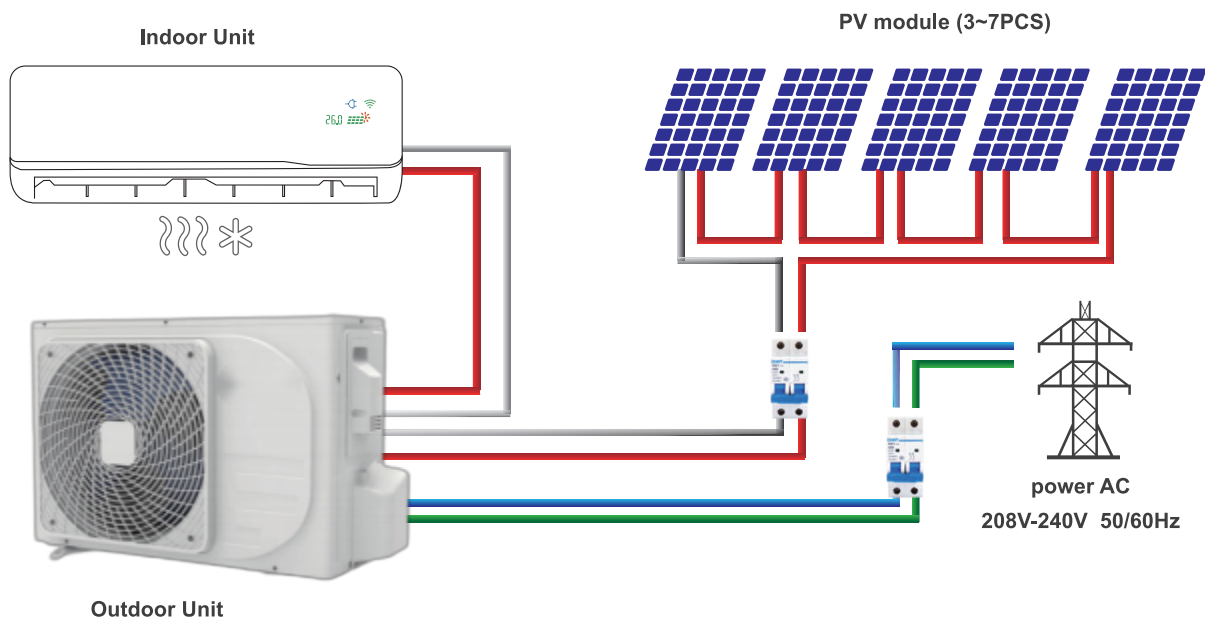




Tropical Applicable



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
Outdoor unit Packing (WxHxD)	mm	910x622x405	910x622x405	1006x755x418



Vision

To become an innovator and leader of the new energy inverter technology and core frequency conversion control technology

To make a leading brand in the high-end environmental appliance industry and a admirable brand in the air-conditioning heat exchanger industry.

