

Solar Air Conditioner



ACDC HYBRID

2024



DC Inverter



WIFI control



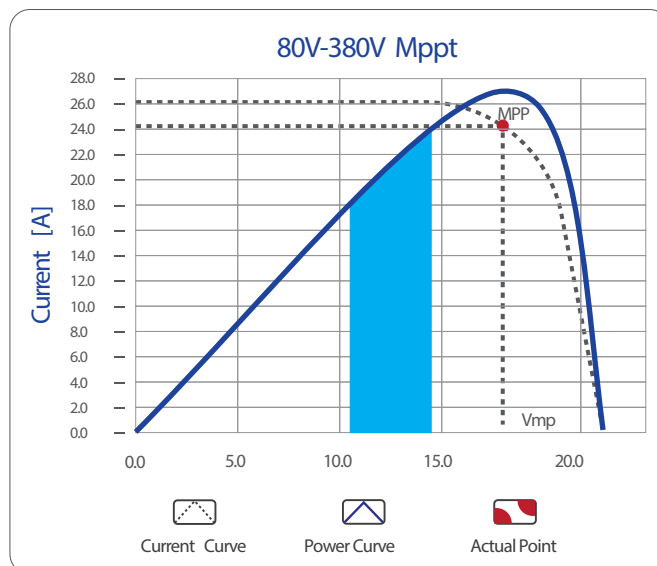
Hybrid Solar

Solar AC technology

Build in Solar MPPT



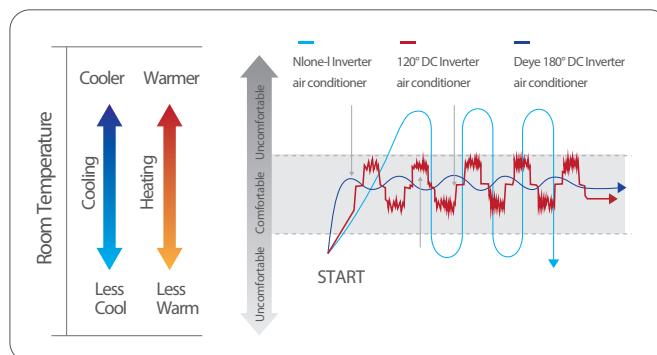
-  Intelligent control for detection and adjustment
-  Efficiency:99.9%
-  DC to DC 0 convert lose
-  10+ years life design



SVPWM technology



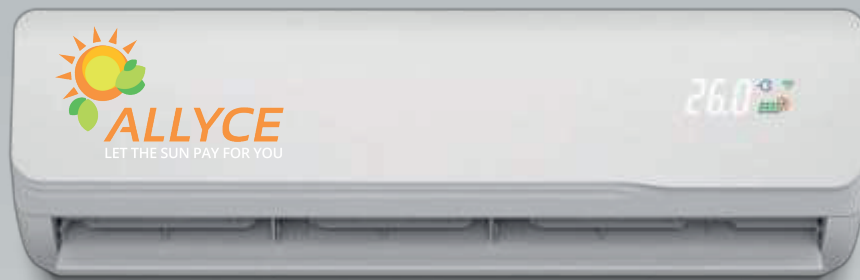
-  180° sine wave controller technology
-  Compressor ran below 0.1Hz
-  Operate during 50% voltage drop



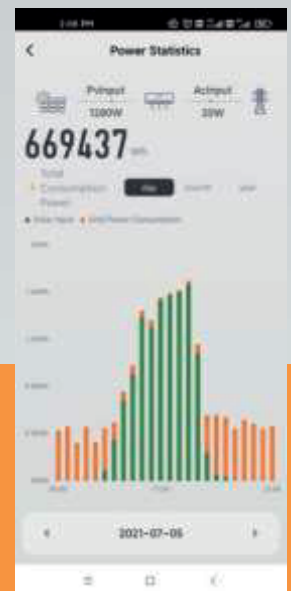
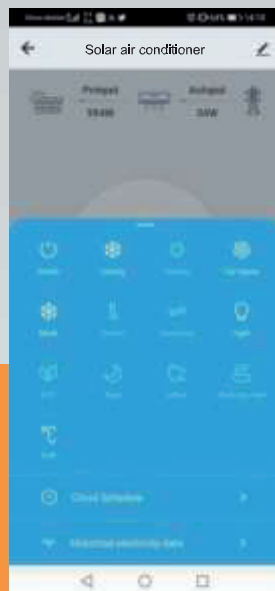
Solar AC advantage



ITEM	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%



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



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



ACDC R32

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

