

Solar Air Conditioner



ACDC HYBRID



DC Inverter



WIFI control

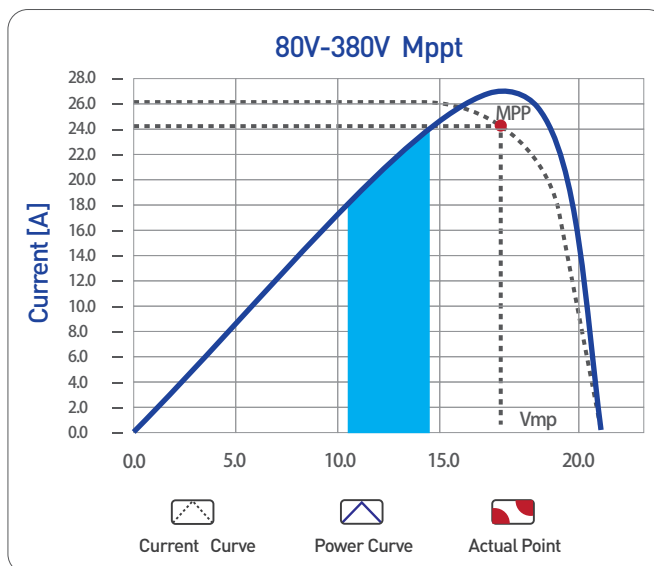


Hybrid Solar

Build in Solar MPPT



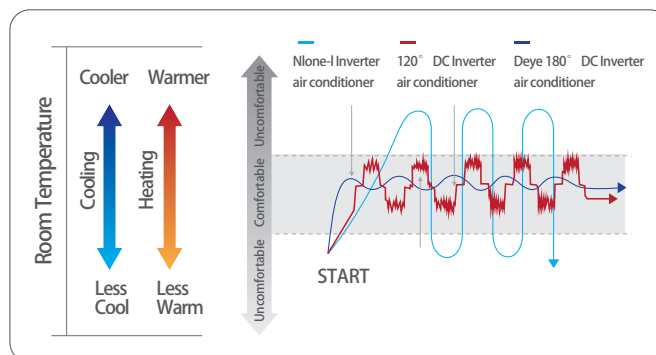
- Intelligent control for detection and adjustment
- Efficiency: 99.9%
- DC to DC 0 convert lose
- 10+ years life design



SVPWM technology



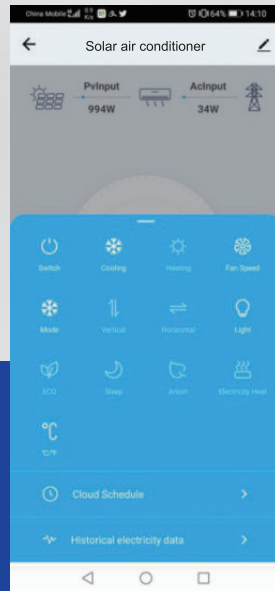
- 180° sine wave controller technology
- Compressor ran below 0.1Hz
- Operate during 50% voltage drop



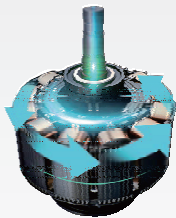
Solar AC advantage



ITEM	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%



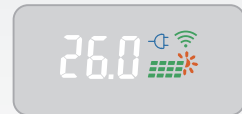
Key components



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



ACDC R32

Items		Unit	12000BTU
Mode		/	JBL-AC-12K-HYB-C1
Power supply	Power AC	Ph-V-Hz	208V-240V/50-60HZ
	Power DC, PV, series connection	Voc	80-380V
Rated Cooling		Isc	<=14A
	Capacity(T1)	W	3500(800-3950)
	Power input(T1)	BTW	12000(2700-13500)
	T1 EER (W/W)/ (BTU/W)	W	980(150-1250)
Dehumidification capacity	Max Power Input	/	3.57/12.25
		W	1700
	Dehumidification capacity	L/h	1.3
	Model	/	KSK103D33UEZ3
Compressor	Type	/	ROTARY
	Brand	/	GMCC
	Capacity	W	3255
	Thermal protector	/	NO
Indoor fan motor	Thermal protector position	/	/
	Capacitor	uF	/
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 / 280
	Model	/	ZWR15-Q52
Indoor Coil	Output	W	15
	Brand	/	KAIBANG
	Capacitor	uF	--
	Speed(Turbo/Hi/Mi/Lo)	r/min	1300/1200/1000/850
Indoor unit	a.Number of rows	/	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37
	c.Fin spacing	mm	1.3
	d.Fin type (code)	/	Hydrophilic aluminium
Outdoor fan motor	e.Tube outside dia.and type	mm	Φ7, innergroove tube
	f.Coil length x height x width	mm	650×345×26.74
	g.Number of circuits	/	2
	Indoor air flow(Turbo/Hi/Mi/Lo)	m3/h	650/600/470/370
Outdoor coil	Indoor noise level (Turbo)	dB(A)	42.5≥
	Dimension(W×H×D)	mm	840×205×295
	Packing (W×H×D)	mm	920×290×360
	Net weight/Gross weight	kg	9.5/11.8
Outdoor unit	Model	/	BLDC ZWR35-A51
	Brand	/	KAIBANG
	Input	W	40
	Capacitor	uF	NO
Outdoor fan motor	Speed	r/min	850
	a.Number of rows	/	1
	b. Tube pitch(a)x row pitch(b)	mm	14.5x12.6
	c.Fin spacing	mm	1.3
Outdoor coil	d.Fin type (code)	/	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ5,innergroove tube
	f.Coil length x height x width	mm	875x504x11.6 (26)
	g.Number of circuits	/	3





Technical Specifications

Tropical Applicable



ACDC R32

Items		Unit	12000BTU
Mode		/	JBL-AC-12K-HYB-C1
Outdoor unit	Outdoor air flow	m ³ /h	2300
	Outdoor noise level	dB(A)	≤52
	(Dimension(W×H×D)	mm	802×564×323
	(Packing (W×H×D)	mm	910×622×405
Refrigerant type and charge volume	Net/Gross weight	kg	28.5/32.5
	Refrigerant type and charge volume	g	R32(580)
Refrigerant piping	(Max Design pressure (Discharge/Suction	MPa	4.3/1.5
	Gas side/Liquid side (inch)	inch	3/8 1/4
	Max. refrigerant pipe length	m	15
	Max. difference in level	m	8
Drain pipe size		mm	16
Refrigerant piping length		m	3
Connection wiring		m	4
Throttle component type		/	capillary
Throttle component specification		/	2.5*1.2*500mm
Operation temp		°C	16°C~32°C
Ambient temp (cooling/heating)		°C	16-55/-
Application area		m ²	12-20

