Deye 德業

Solar Air Conditioner

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NINGBO DEYE INVERTER TECHNOLOGY CO.,LTD

QUALIFICATIONS AND HONORS

ISO9001

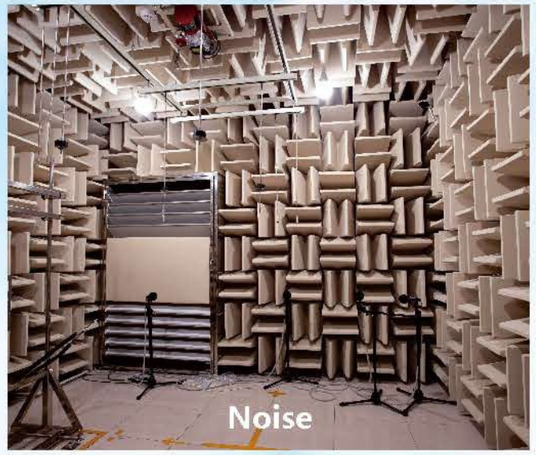
Certification

CB CE CCC

ETL LISTED Intertek SASO EMC TÜV

COMPANY STRENGTH

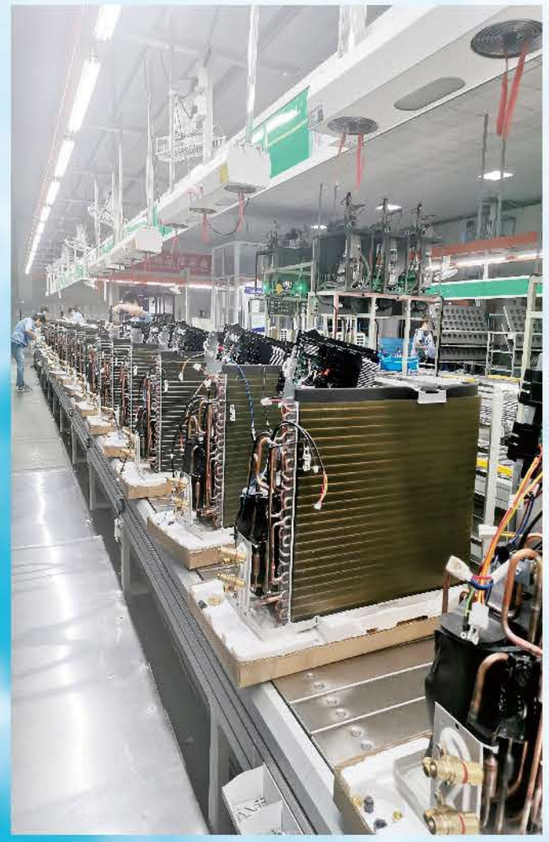
Exhibition Hall



Laboratory

COMPANY STRENGTH

Electronic Workshop



Assemble line

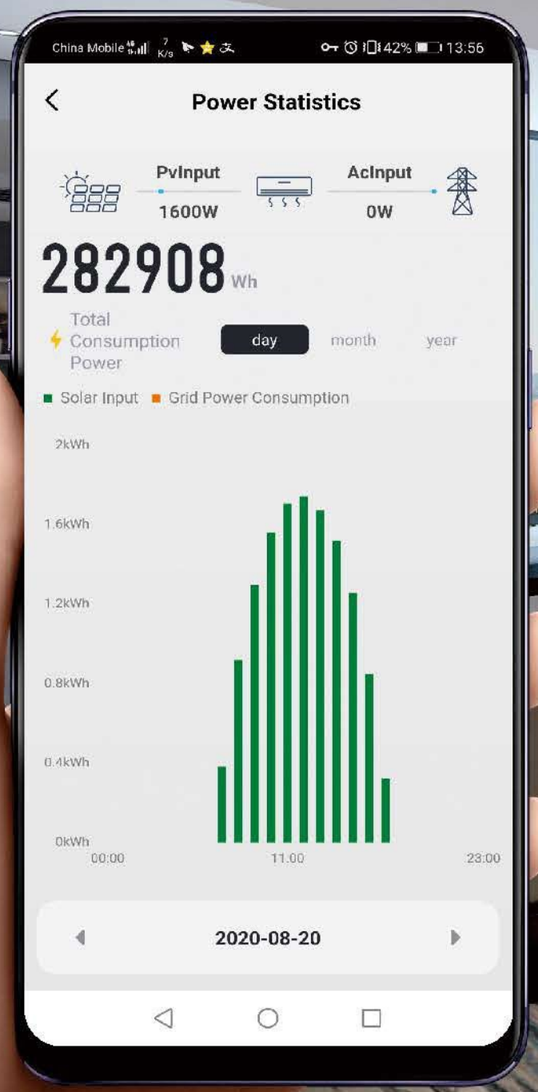
ON GRID ACDC SCHEMATIC DIAGRAM

Night Time:
Grid Power
150V~260V
50/60Hz

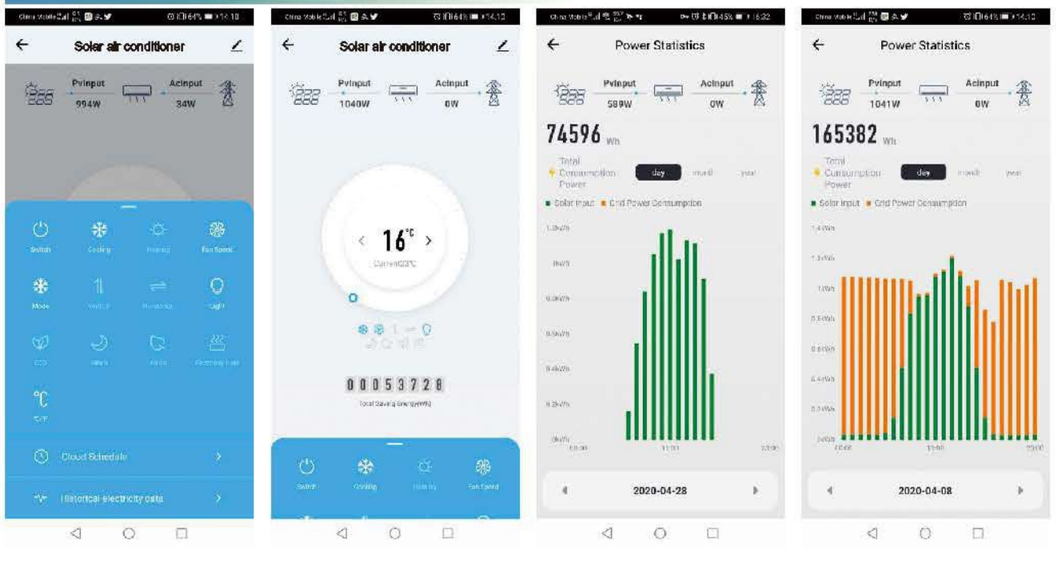
Hybrid ACDC
On grid/Off Grid/Mix Power
Inteligent control systerm,
Solar power supply first

Day time:Solar Power
80V DC~380V DC

INTELLIGENT WIFI FUNCTION



SMART CONTROL



Forget to turn off the air conditioner? One button remote shutdown

It's cool when you get home? Advance booking

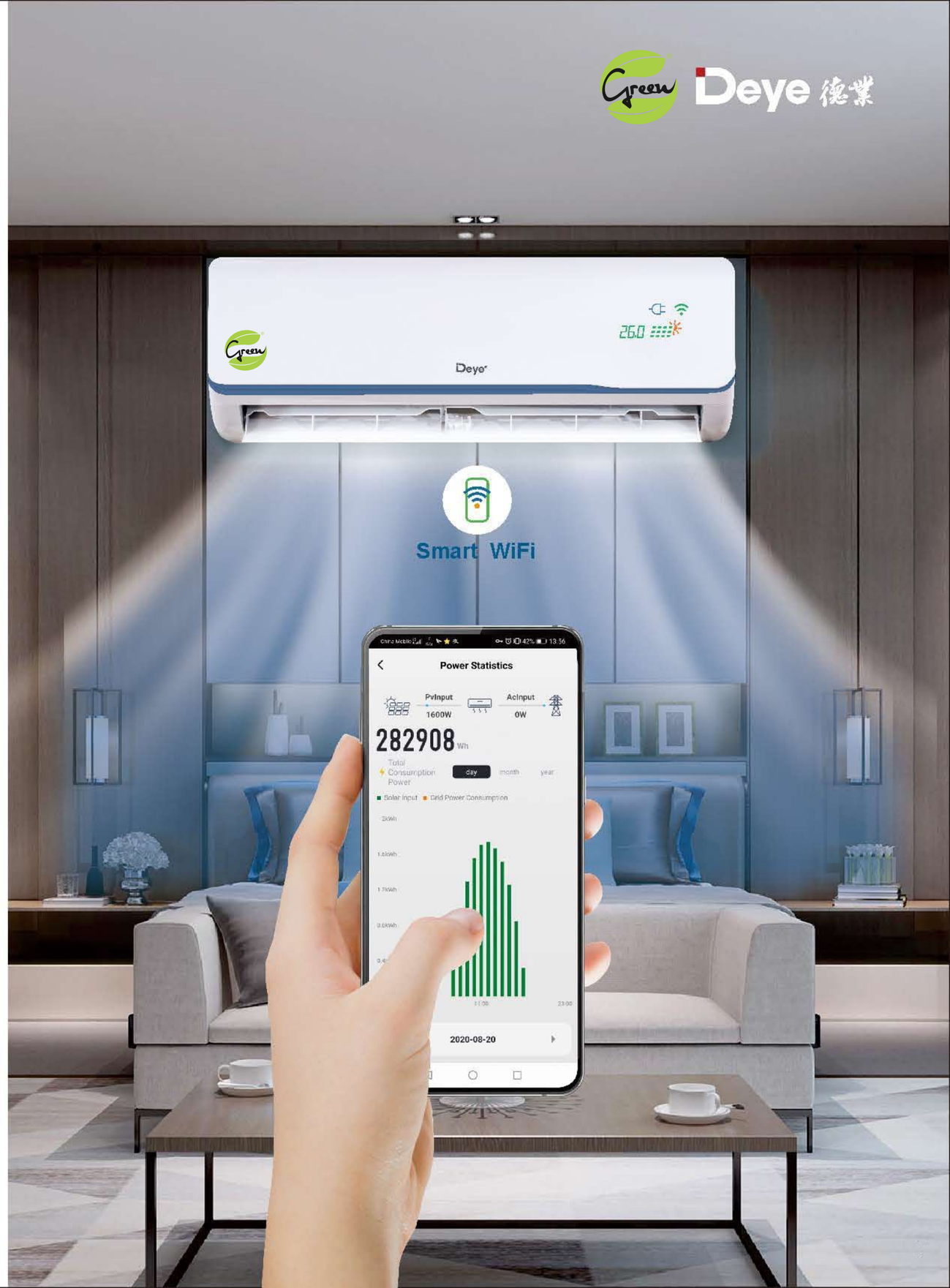
Lying still? Mobile phone adjustment is more convenient

Solar Aircon

The WIFI function allows full control, daily and weekly timers, complete visibility with AC and DC consumption and check the history of all power consumption.

- Use WiFi or Bluetooth to control solar air conditioner anywhere
- Share device to your family member
- Control multi devices in one APP
- Timer setting On & Off

Scan QRCode for App smart control



CORE ADVANTAGE

VS

DC inverter air conditioner		Hybrid ACDC solar air conditioner
✓	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	✓
0%-20%	Average Energy saving	60%-100%

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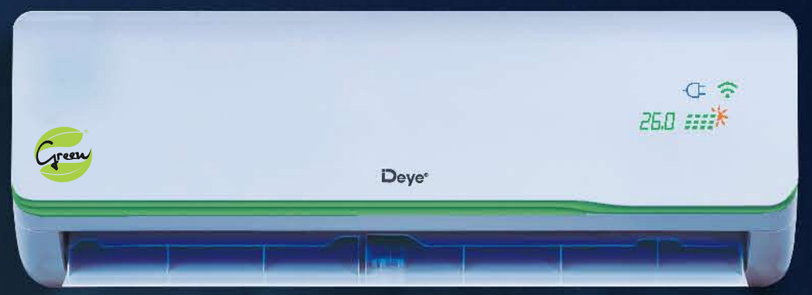
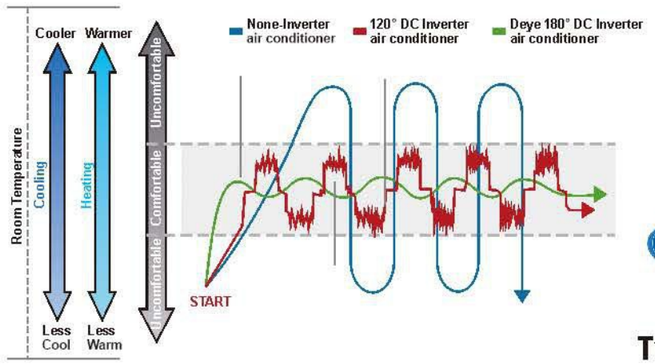


POWER SAVING AND MUTE

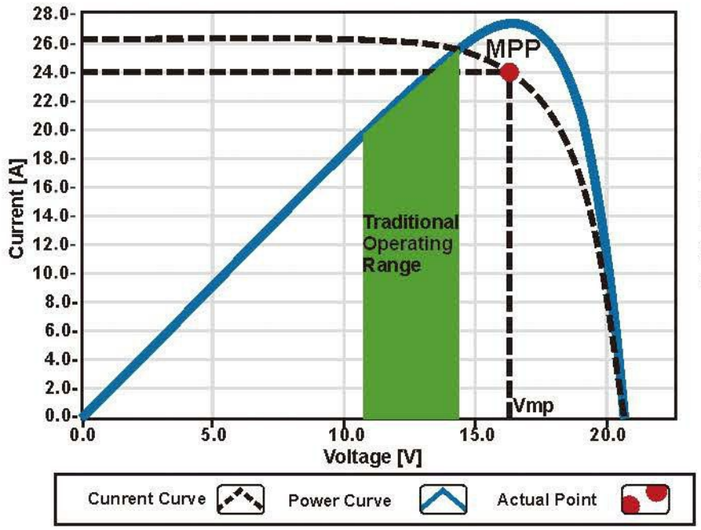
As low as 16 dB 16 Decibel

GLOBAL CORE PATENT



Twin Rotary Compressor

Deye havs own 180° sine wave DC inverter controller technology for inverter air conditioner,"SVPWM"which makes the compressor ran at low frequency below 0.1Hz, improve the utilization of the DC compressor by 13% compared with 120° DC inverter controller technology. By 32% compared with Non-inverter air conditioner.
(Patent Number: ZL 2009 1 0127633.8)

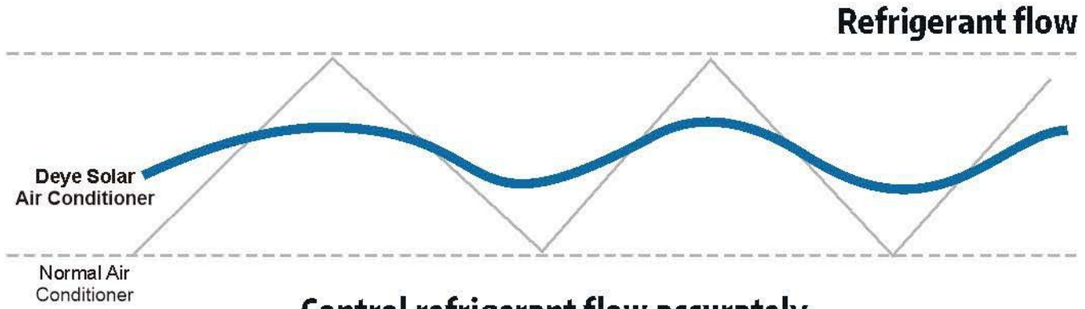


80V-380V Mppt

MPPT efficiency:
99.9%
DC to DC
O convert lose
10+ years life design

ADVANCED REFRIGERANT CONTROL TECHNOLOGY

Adopt EEV to control refrigerant flow accurately, make room more comfortable



Control refrigerant flow accurately

EEV (Electronic expansion valve)

CORE TECHNOLOGY

Twin Rotary DC Compressor

Outdoor DC fan motor

Indoor DC fan motor

Wide voltage operation

The air conditioner can be started and operated at 150V-260V to avoid damage to the air conditioner caused by unstable voltage.

150V **260V**

3D DC inverter, high efficiency and energy saving

By combining the high-efficiency DC inverter compressor and indoor/ outdoor DC motor with the full DC control system, comprehensively enhance the air conditioning performance and ensure the real-time adjustment of the motor speed and refrigerant flow according to the changing environment, making the A/C run in the most energy-saving situation with maximum cooling/heating efficiency.

Triple protection

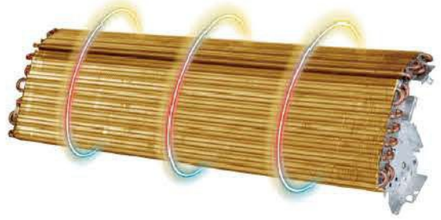
Provide the timely self-protection for the compressor,electric control and motor in case of abnormal circumstances and faults.

4D Air supply

Horizontal and vertical adjustable air deflector design can achieve all-round air supply,making air conditioning airflow every corner of the room.

Golden fins

Improves heat exchange efficiency and withstands salty air,rain and other corrosive Elements.



ON GRID ACDC AIR CONDITIONER

Solar Model
On Grid ACDC Air Conditioner

Items	Unit	9000 BTU	12000 BTU	18000 BTU	24000 BTU
Solar Power Voltage	V	80~380	80~380	80~380	80~380
Grid Power Voltage	V / Hz	208V-240V / 50-60HZ	208V-240V / 50-60HZ	208V-240V / 50-60HZ	208V-240V / 50-60HZ
Cooling Capacity	W	2640 (1000-3570)	3510 (900-3900)	5070 (1200-6000)	6450 (1800-7900)
Cooling power input	W	650 (200-1120)	940 (190-1270)	1400 (220-2100)	1790 (300-3200)
Heating Capacity	W	2900 (800-3573)	4100 (900-4500)	6100 (1200-6800)	7800 (1800-9100)
Heating power input	W	700 (160-1400)	1170 (190-1700)	1770 (220-2500)	2290 (300-3500)
EER	W/W	4.06	3.75	3.60	3.60
COP	W/W	4.14	3.50	3.45	3.40
Compressor	Brand	HIGHLY	HIGHLY	HIGHLY	Panasonic
Loading Quanlity 20'GP / 40'HQ	Unit	75/200	75/200	65/150	50/120

GLOBAL PARTNER

Deye 德業

Midea

Panasonic 松下电器

LG Life's Good

三菱电机 MITSUBISHI ELECTRIC

GMCC 美芝

HIGHLY 海立

三花控股集团 SANHUA HOLDING GROUP

WOLONG 卧龙

KB 凯邦电机

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