



# Solar Inverter Air Conditioner **ACDC Hybrid Type**

**GeTX**  
By Recreate



# Solar Inverter Air Conditioner **ACDC** Hybrid Type

## Solar aircon Include:

A/C outdoor & indoor Unit ;  
Solar modules ;  
Custom Roof mounting system ;  
PV cable ;  
Fuse Protection, DC Breaker ;  
Lightening Arrester ;

### Products discrimination:

GeTX Series Hybrid Solar Air Conditioner is engineered from the ground up for use with solar. All electrical components are DC powered including DC Compressor, high-efficiency DC Fan Motors, DC Valves & Solenoids, etc.

The Air Conditioner System uses VRF (Variable Refrigerant Flow ) controller and frequency driver in conjunction with multiple sensors and an algorithmic control circuit to raise and lower the unit's capacity in real-time based on conditions as they change.

Hybrid Solar Air Conditioner uses Solar Direct Drive Technology (SDDA), so the A/C Unit can use AC DC power in the same time or independently. The SDDA uses solar energy as the priority power instead of the grid energy to run the air conditioner. In the sunshine day, the GeXT Solar Air Conditioner can be operated by 100% solar energy without AC power.

The whole system just contains an A/C Unit and a few PV panels, NO BATTERY, NO INVERTER, NO CONTROLLER. Compare with the regular air conditioner, the investment increases 50%-80%, but the electricity bill will reduce 60-80% yearly.

### Products Benefits:

-  Help you to reduce the 40-80% electricity bill.
-  SEER up to 36 with solar, 22 without solar.
-  Enjoy cooling summer without grid in sunshine day
-  Lower investment than off-grid& on-grid solar energy system
-  Increase the value of your home.
-  Reduce your carbon footprint.

### Common Application



Home



Office and School



Remote Telecom Station



Desert Location



Island Location;

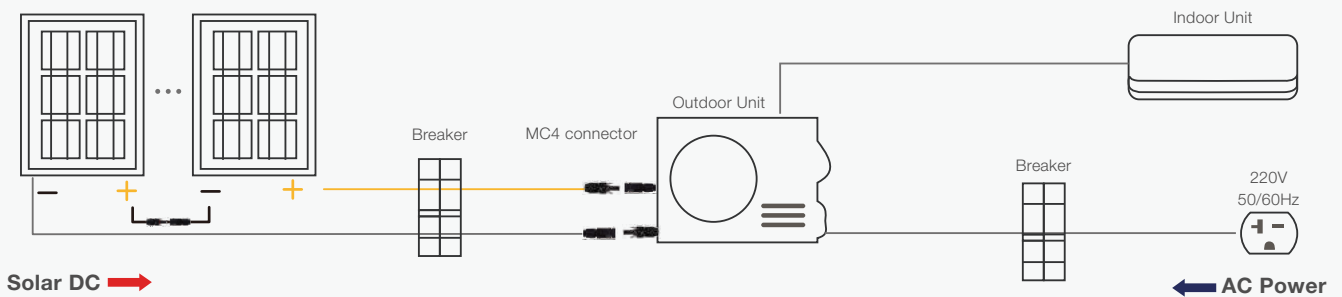
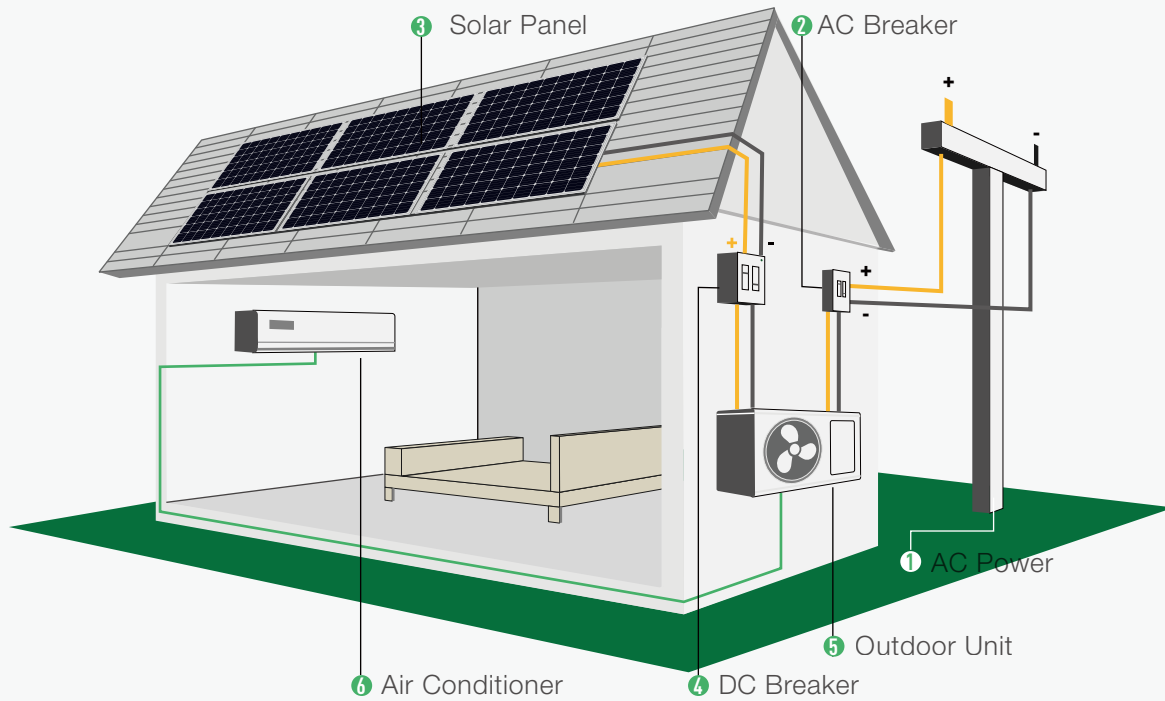


Bus Station

## Products parameters

| Model No.                                |       | GTA-9BS                               | GTA-12BS              | GTA-18BS              | GTA-24BS                |
|------------------------------------------|-------|---------------------------------------|-----------------------|-----------------------|-------------------------|
| Power Supply                             |       |                                       |                       |                       |                         |
| Solar System                             | V     | DC90-380V                             |                       |                       |                         |
| Maximum Solar Charging Current           | A     | MAX. 15A                              |                       |                       |                         |
| AC Power Connected                       | V     | 180-240V(50/60Hz)                     |                       |                       |                         |
| Cooling Capacity                         |       |                                       |                       |                       |                         |
| Capacity                                 | Btu/h | 9000                                  | 12000                 | 18000                 | 24000                   |
| Inverter Capacity Range                  | Btu/h | 2866-9868                             | 3482-13561            | 3681-18846            | 4294-25280              |
| Power Input                              | Kw    | 0.82                                  | 1.06                  | 1.42                  | 1.87                    |
| Rated Current (AC)                       | A     | 3.82                                  | 4.28                  | 5.96                  | 8                       |
| SEER                                     | Btu/w | 26                                    | 25                    | 24                    | 20                      |
| Refrigerant                              |       | R32                                   |                       |                       | R410A                   |
| Heating Capacity                         |       |                                       |                       |                       |                         |
| Capacity                                 | Btu/h | 9,000                                 | 12,000                | 17,150                | 23,800                  |
| Inverter Capacity Range                  | Btu/h | 2953-9785                             | 3853~13780            | 4637~19875            | 5100~23542              |
| Power Input                              | Kw    | 0.84                                  | 1.22                  | 1.43                  | 1.82                    |
| Rated Current                            | A     | 4.3                                   | 5.87                  | 6.1                   | 8.08                    |
| HSPF                                     | Btu/w | 14                                    | 13                    | 13                    | 11                      |
| COP                                      | Btu/w | 15.3                                  | 14.6                  | 13.2                  | 12.31                   |
| A/C unit configuration                   |       |                                       |                       |                       |                         |
| Dehumidification                         | pt/h  | 1.1L/h                                | 1.3L/h                | 1.9L/h                | 2.3L/h                  |
| Indoor Air Flow - (Hifan)                | cfm   | 660                                   | 690                   | 1080                  | 1210                    |
| Indoor Noise dB(A) (Hifan)               | dB(A) | 38                                    | 38                    | 42                    | 45                      |
| Max Refrigeration Pipe Length            | ft/m  | 15                                    | 15                    | 15                    | 15                      |
| Max Refrigeration Pipe Rise/Fall         | ft/m  | 5                                     | 5                     | 5                     | 5                       |
| Max Elevation Difference                 |       | 15                                    | 15                    | 15                    | 15                      |
| Design Pressure                          | psig  | 600 / 345                             | 600 / 345             | 600 / 345             | 550 / 340               |
| Connection                               | Type  | flare                                 | flare                 | flare                 | flare                   |
| Connection Wiring                        | AWG   | 4*18AWG                               | 4*18AWG               | 4*18AWG               | 4*18AWG                 |
| Compressor                               |       | GMCC DC Drive Mode Rolling Rotor Type |                       |                       |                         |
| Operation temperature                    |       |                                       |                       |                       |                         |
| Indoor (Cooling/Heating)                 | °F    | 60.8 –89.6 / 60.8–89.6                | 60.8–89.6 / 60.8–89.6 | 60.8–89.6 / 60.8–89.6 | 60.8 –89.6 / 60.8– 89.6 |
| Outdoor (Cooling/Herating)               | °F    | 50–125.6 / 5-104                      | 50–125.6 / 5-104      | 50–125.6 / 5-104      | 50–125.6 / 5-104        |
| Shipping                                 |       |                                       |                       |                       |                         |
| Dimension(W*D*H)                         | mm    | 850x190x292                           | 850x190x292           | 960x215x300           | 1130*320*245            |
| Packing(W*D*H)                           | mm    | 910*265*350                           | 910*265*350           | 1015x265x360          | 1195*310*390            |
| Net/Gross Weight                         | kg    | 9.2/12                                | 9.2/12                | 12.5/14.5             | 15.5/17.5               |
| Dimension(W*D*H)                         | mm    | 795x290x555                           | 795x290x555           | 795x290x555           | 860x304x733             |
| Packing(W*D*H)                           | mm    | 910x400x630                           | 910x400x630           | 910x400x630           | 1005x450x820            |
| Net/Gross Weight                         | kg    | 31/35                                 | 31/35                 | 35/39                 | 51/55                   |
| 20GP / 40GP / 40HQ Container             |       | 84/174/216                            | 84/174/216            | 78/171/212            | 54/115/128              |
| CB/CE/GCC/SOAO/ETL Performance Certified |       |                                       |                       |                       |                         |

## ● Connection graph



## ● System Component



### ACDC Hybrid Indoor Unit

Capacity heating & cooling 9000Btu~24000Btu available; Digital display Low Noise (Hi/Mi/Lo)41/38/32dB



### Remote Control

Digital wireless remote;



### ACDC Hybrid Outdoor Unit

Solar Input DC70~380V MAX15A;  
AC Input 208~240V 50/60HZ; R410A;  
Low Noise 53~60dB



### Lightening Arrester

PC40-85V DC  
Operation Temp:-40~+85°C



### Solar Panels

Against Salt mist corrosion/amonia corrosion /fire risk; 10 years Warranty;  
DC31.6V 275W



### Fuse Protection

RT28N-32X 1P



### DC Solar Wires

1\*4sqmm black and red;  
TUV certified  
15mm each other per unit



### DC Breaker

DC800V 2P 20