



PVGO™ SUN-SOURCE MANAGEMENT SYSTEM

Convenient Solution for Heat Pumps & Pool Heaters & Air Conditioners

PVGO-I & PVGO-D

DUAL OPERATION MODES

SOLAR DIRECT-DRIVE MODE

■ Solar Direct-Drive Mode

The direct current (DC) generated by solar panels is directly supplied to the air conditioner's compressor and other DC components (such as fan motors).

Since the air conditioner's internal DC inverter compressor is highly compatible with the DC power from solar panels, intermediate devices like inverters or controllers are eliminated, reducing energy loss.

■ Solar Energy Priority

During sunny daytime conditions, the system prioritizes using solar DC power, directly replacing grid electricity. Most of the air conditioner's power demand can be met by two solar panels of 230 watts or more.

HYBRID POWER MODE

■ Automatic Switching

When solar power generation is insufficient (e.g., on cloudy days, during low sunlight, or when load demand is high), the system automatically switches to grid power (220/240V).

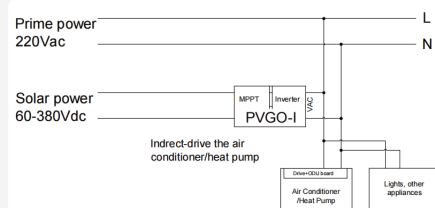
This seamless transition ensures the air conditioner continues to operate normally.

■ Grid Supplementation

Although the system is designed for hybrid operation, it requires a grid connection to supplement power during periods of insufficient sunlight.

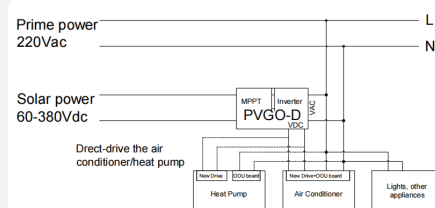
PVGO-I

Can be used to upgrade existing air conditioner or heat pump, no matter what brand your installed.



PVGO-D

Can be used for upgrade the air conditioner or heat pump who are used Adentech new generation VFD* product or control solutions, can be used with Solar Direct-Drive Mode and Hybrid Power Mode.



IoT MANAGEMENT

An IoT app enables you to monitor your home energy system in real-time, helping you track how it reduces your utility costs. It also highlights the environmental benefits of integrating renewable energy into your home.



APPLICATION

■ Small System

4-6 Solar Panels

Power: 1~1.8kW

Suitable for:
-Single AC unit
-Basic needs
-Entry level

■ Medium System

8-10 Solar Panels

Power: 2~3kW

Suitable for:
-Family AC units
-Daily operations
-Optimal savings

■ Large Household / High-Efficiency System

12-15 Solar Panels

Power: 3~4.5kW

Suitable for:
-Full house AC/heating
-Multiple units
-Additional appliances

PRODUCT MODELS



Front



Back



Side



Bottom

Product Serial: PVGo

Capacity	1.5kW	2.0kW	3.0kW	4.0kW
PVGo-I	●	●	●	●
PVGo-D	●	x	●	x



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