



Solar-Powered Air Conditioning

Practical technologies to reduce air-conditioning electricity use in residential buildings

Sustainable Cooling

www.venkacon.com

Concept:

Solar PV panels generate electricity during the hottest and sunniest hours of the day, exactly when air conditioners run the most. The solar power directly offsets the electricity used by the AC compressor.

How it works?

Solar PV panels → Inverter → Air Conditioner

During daytime operation, solar electricity powers the AC, significantly reducing grid electricity consumption.

Product

Retrofit friendly kit & App for real-time view.

Benefits:

- ▶ Reduces daytime electricity bills
- ▶ Uses abundant solar energy available in tropical climates
- ▶ Compatible with modern inverter AC units
- ▶ Mature & reliable technology

Typical Savings

30 - 70% reduction in daytime electricity consumption depending on solar panel size.

Want to learn more?

Email vikrant.venkataraman@outlook.com
Or visit www.venkacon.com