

Passive solar energy offers several advantages: 1.Environmental Benefits: By reducing energy consumption and greenhouse gas emissions, passive solar energy helps mitigate climate change and reduces reliance on non-renewable energy sources.Improved Indoor Comfort: Passive solar design incorporates features like proper insulation, thermal mass, and shading to maintain comfortable indoor temperatures throughout the year, enhancing occupant comfort.In summary, passive solar energy offers sustainability, cost savings, energy efficiency, improved comfort, health benefits, durability, flexibility, environmental benefits, and local economic benefits.Durability and Resilience: Passive solar buildings are often designed with durable materials and construction techniques, making them more resistant to .extreme weather conditions and increasing their lifespan.2.3.4.5.6.7.8.9