Location: Kun Lung Wai, Hong Kong, China

Latitude: 22.507912°
Longitude: 114.18055°
Height above sea level: 26.646ft

Climate: sub-tropical
- Warm Humid
- Average temperature ranges from 60°F - 90°F

Universal Floor Plan

- Guest Bedroom
- Master Bedroom
- Bathroom
- Kitchen
- Dining Space
- Living Space
- Stairs

Solar Water Heaters
- 80 gallon Passive Solar Trek System
- Pressurized system
- Weather resistant heat pipes
- Good for climates that don’t freeze
- Well insulated tanks protect the stored water in even the most extreme weather of a sub-tropical climate

Solar Panels
- Solarland 100 Silver Poly SLP:100-12
- 100 Watts, 5.74 Amps
- Suitable for high wind loads which can occur with extreme weather
- Isolated at the highest point of the house

Solar Paneling
- Solar Water Heating
- Efficient Air Flow
- Effective Solar Shading
- Abundant Vegetation

Wall Section
- GWB
- Vapor Barrier
- Metal Stud
- Plywood
- Air Space
- Brick Facing

Roof Plan

Solar Water Heater

Solar Panels

Summer 86°
Winter 43°