

Product specification for HelioPower invisible solar water heating system



Brand new luxury home close to Hermanus where one of 4 slate roofs was mounted with a 60 m² invisible solar panel. The harvested energy used for heating domestic water for bath rooms, the entire floor area and the pool.

System technical data

Area: Western Cape South Africa
Principles: invisible cassettes under natural
slates
System module size: 25-30 m²
System material: AlMgCu, plastics, SS
System weight ex slates: ~10 kg/m²
Max operating pressure: 6 Bar
System efficiency: up to 55%
Max daytime hot water output: 13 kW
Max nighttime cooling capacity: 10 kW
Max water temp: 10°C less than roof
Power output: 20-26 MWh/y
Lifetime: 10-30 year, service depending

All data limits: no wind, 30° roof angle, straight
north, extra 100 mm fiber insulation in roof,
natural stone slates.

Savings/Rc50/kWh electricity: 10-13,000 R/y



Patented and manufactured in South Africa