Sunshine Series

84W + 92W

Sunshine Series are solar tiles that accommodate a variety of roofing styles. The integrated tempered double-glass structure ensures the safety of the roof structure. Featuring improved roof ventilation and heat dissipation, as well as fast installation, the Sunshine tiles can not only improve the energy efficiency of a building, but also help households lower energy costs while reducing their overall carbon footprint.

Ultra Safety

- Class A fire rating[1]
- Hurricane wind-resistance[2]
- Structural waterproofing[3]

  1 Burning block test: 300×300×57mm 30min
  2 Wind resistance test: Passed 50m/s
  3 Rain test: Passed 9.5L/min

Durable

- Compliant with mandatory certification standards for building materials
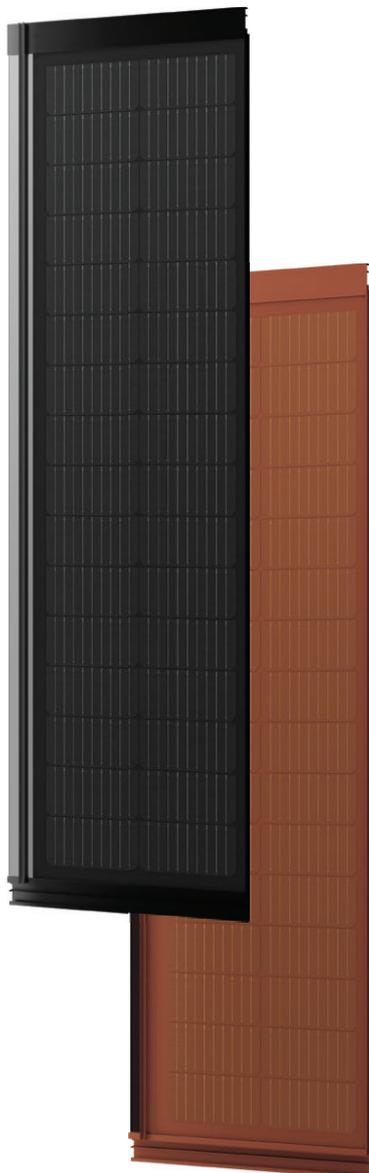- Resulting in same life cycle as buildings

Rapid Installation

- Non-penetrative installation
- Modular design, easy to replace

Attractive Appearance

- Traditional tiles compatibility
- Self-cleaning and unobstructed drainage

Sunshine Series-Designed for architectural aesthetics

SUNSHINE Series

Structural Data	84W	92W
Size	1556x420x23.5mm	1508x420x23.5mm
Color	Ebony	Ebony
Weight	11.5kg	11±0.5kg
Area	0.654m²	0.633m²
Package Type	30pcs per pallet	Laminated Glass
Cell Type	Mono PERC	Mono PERC
Installation Method	Integrated Batten Hook	Integrated Batten Hook
Waterproofing Method	Structural Waterproofing	Structural Waterproofing

Safety Data

Mechanical Loads	5400Pa	≥ 5400Pa
Fire Test Rating	Class A	Class A
Windproof Rating	Wind resistance up to 14 guests	Wind resistance up to 14 guests
Hail Resistance Rating	4 (ANSI FM4473)	4 (ANSI FM4473)
Dust Proof Rating	IP67	IP67

Electrical Data

Max Power (Pmax)	84W	92W
Voltage at Max Power (Vmpp)	6.80V	9.03V
Current at Max Power (Impp)	12.37A	10.19A
Voltage at Open Circuit (Voc)	8.34V	10.97V
Current at Short Circuit (Isc)	12.89A	10.73A
Power	160-175W/m²	170W/m²
Function configuration	Adapted to rapid shutdown, SunSpec compliant/NEC2020-690.12 compliant	Adapted to rapid shutdown, SunSpec compliant/NEC2020-690.12 compliant

Carbon Neutral Index (30 Years)

Energy Output	2500kWh	2703kWh
Equivalent to Standard Coal	750kg	824kg
Carbon Emission Reduction	1400kg	2162kg

Villa

Hotel

Community Building

Public Building