

# Solar Tile

The whole solution for residential roof top photovoltaic power station



Integral Design

Architectural  
Aesthetics

Power Output  
Guarantee

Safety

Easy to Install

Energy Storage  
Optional



## Product Characteristics



### Integral Design

Satisfied your needs for whole residential roof top photovoltaic power station



### Architectural Aesthetics

Customized tiles shapes and colors to match the design of the house



### Power Output Guarantee

145W/ m<sup>2</sup>; 25 years power generation guarantee



### Safety

Lighter but stronger, best solution for the waterproof roof top



### Easy to Install

Install like traditional tiles, no additional brackets, no need to damage the roof



### Energy Storage Optional

Energy storage system optional, according to requirements

## Technical Parameter

Roof top area (m <sup>2</sup> )	100	200	500	1000
Total capacity (kW)	14.5	29	72.5	145
Unit power output (W/m <sup>2</sup> )	145			
Annual power generation (kWH)	16000	32000	80000	160000
PV performance lifetime(years)	30			
Building materials lifetime(years)	50			
Operating temperature	-40°C to +85°C			
Max system voltage	1000 VDC (IEC/UL)			
Max series fuse rating	20 A			
Grade of hail resistance	Diameter: 25mm; The impact velocity: 23m/s			

## Product Warranty

25 years power generation guarantee

Free replacement of substandard products within the warranty period

**\*For more information, please refer to the product quality assurance certificate of TOENERGY**