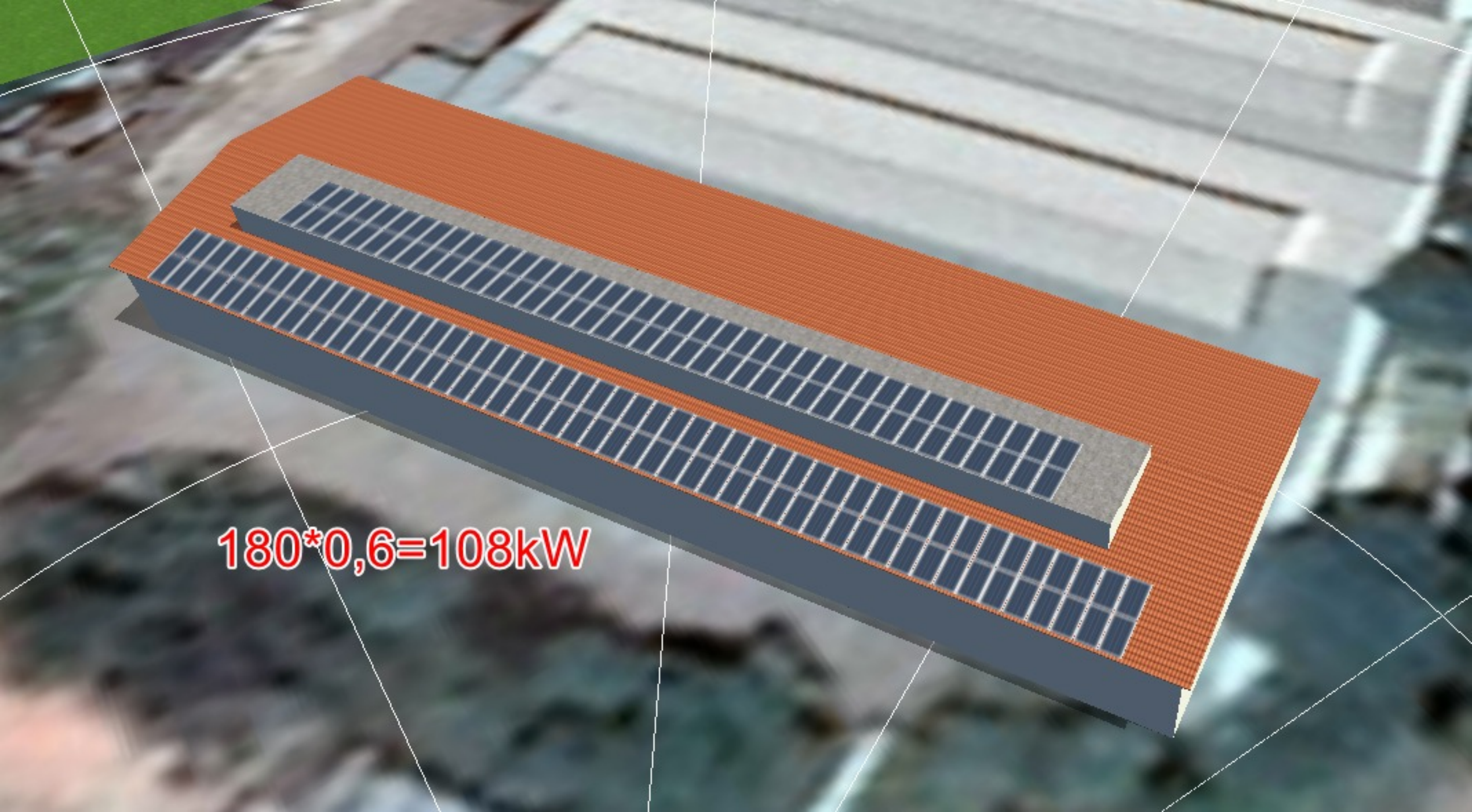


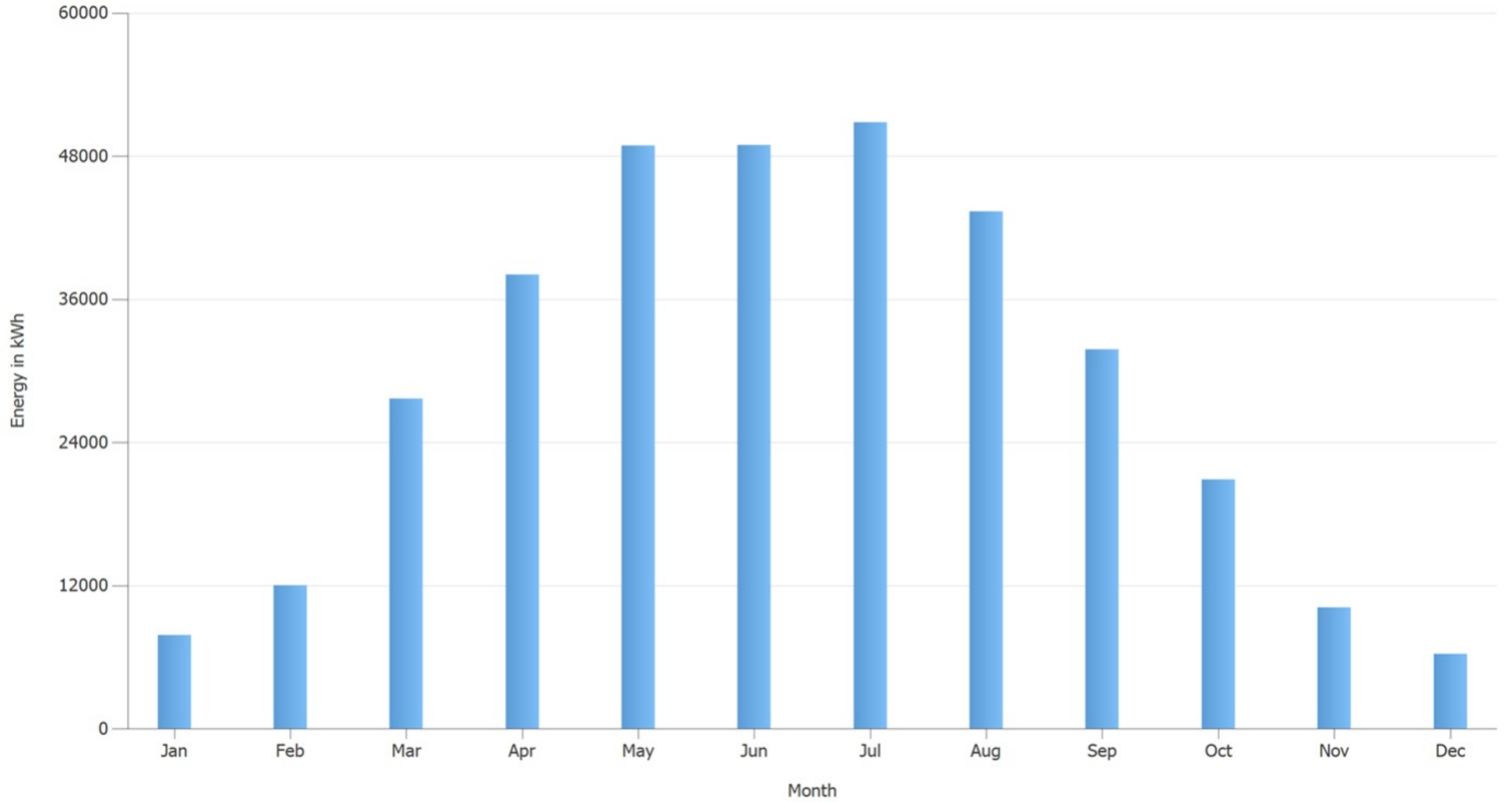


$180+180=360 \times 0,6=216\text{kW}$

A 3D architectural rendering of a solar panel array installed on a roof. The array consists of two rows of dark blue solar panels, each row containing 18 panels. The panels are mounted on a grey metal racking system. The roof is covered with reddish-brown tiles. The background shows a blurred view of a residential neighborhood with other houses and trees.

$180 \times 0,6 = 108 \text{ kW}$

Production Forecast



PV Generator Energy (AC grid)

The yield

PV Generator Energy (AC grid)	346 794 kWh
Grid Feed-in	346 794 kWh
Down-regulation at Feed-in Point	0 kWh
Own Power Consumption	0,0 %
Solar Fraction	0,0 %
Spec. Annual Yield	1 070,13 kWh/kWp
Performance Ratio (PR)	87,0 %
Yield Reduction due to Shading	2,0 %/Year
CO ₂ Emissions avoided	162 960 kg / year

Results Total System

PV System

PV Generator Output	324 kWp
Spec. Annual Yield	1 070,13 kWh/kWp
Performance Ratio (PR)	87,0 %
Yield Reduction due to Shading	2,0 %/Year
Grid Feed-in	346 794 kWh/Year
Grid Feed-in in the first year (incl. module degradation)	346 794 kWh/Year
Standby Consumption (Inverter)	70 kWh/Year
CO ₂ Emissions avoided	162 960 kg / year

Module Areas

1. Module Area - Building 01-Roof Area Northeast

PV Generator, 1. Module Area - Building 01-Roof Area Northeast

Name	Building 01-Roof Area Northeast
PV Modules	180 x YS600M-60 (v1)
Manufacturer	Yangtze Solar
Inclination	10 °
Orientation	Northeast 60 °
Installation Type	Roof parallel
PV Generator Surface	513,6 m ²

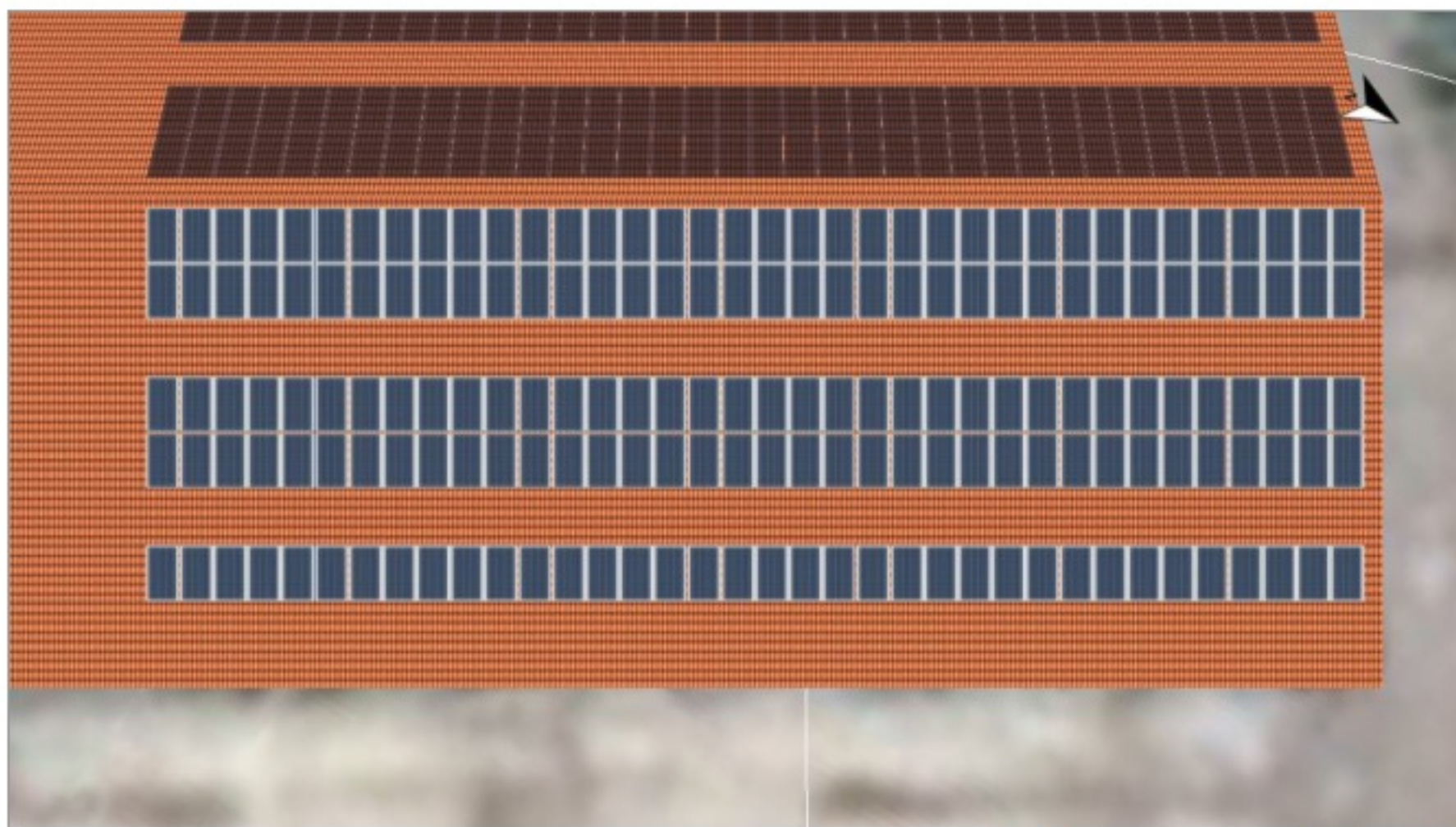


Figure: 1. Module Area - Building 01-Roof Area Northeast

2. Module Area - Building 01-Roof Area Southwest

PV Generator, 2. Module Area - Building 01-Roof Area Southwest

Name	Building 01-Roof Area Southwest
PV Modules	180 x YS600M-60 (v1)
Manufacturer	Yangtze Solar
Inclination	10 °
Orientation	Southwest 240 °
Installation Type	Roof parallel
PV Generator Surface	513,6 m ²

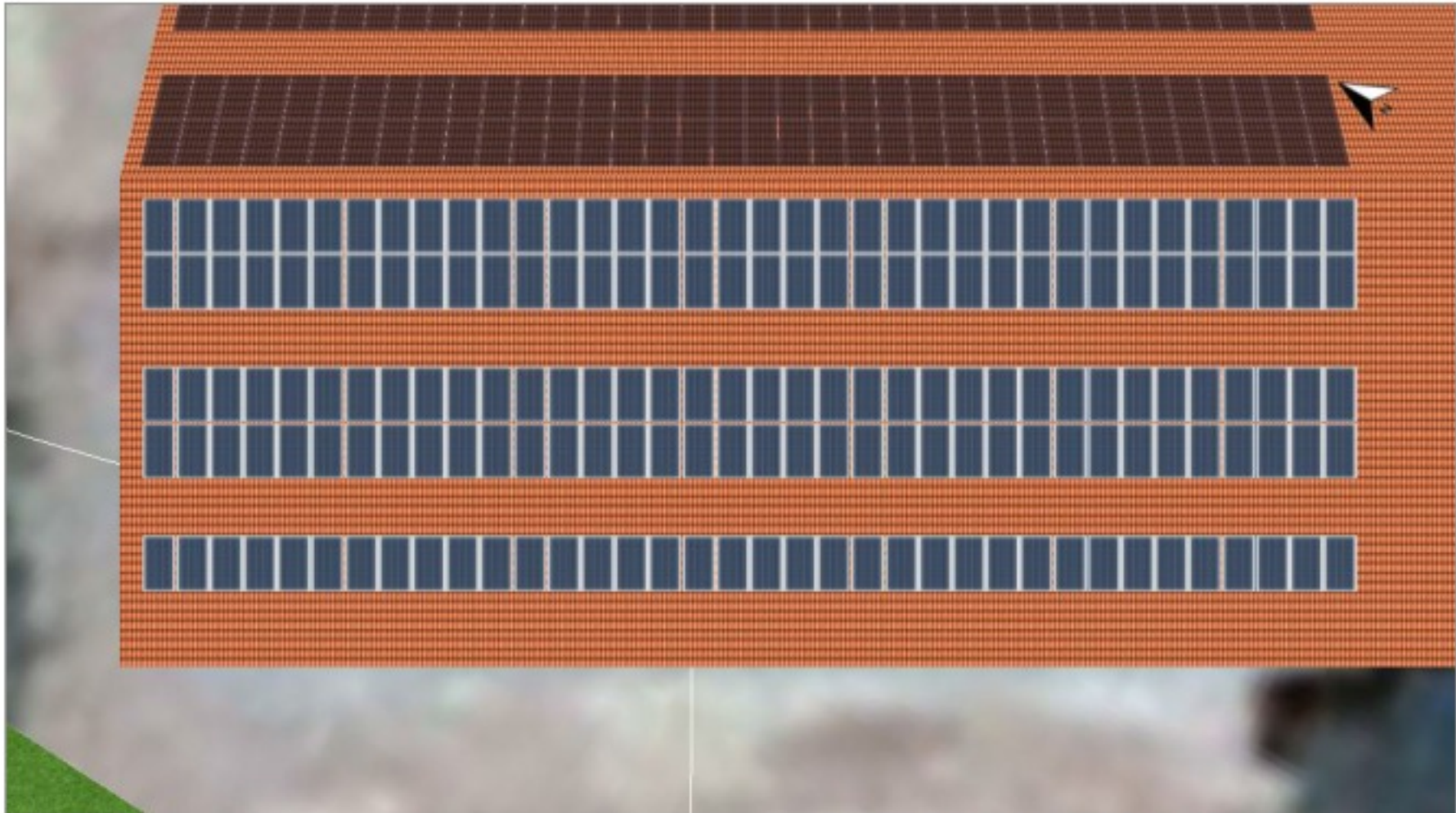


Figure: 2. Module Area - Building 01-Roof Area Southwest

3. Module Area - Building 03-Roof Area Southwest

PV Generator, 3. Module Area - Building 03-Roof Area Southwest

Name	Building 03-Roof Area Southwest
PV Modules	100 x YS600M-60 (v1)
Manufacturer	Yangtze Solar
Inclination	10 °
Orientation	Southwest 240 °
Installation Type	Roof parallel
PV Generator Surface	285,4 m ²

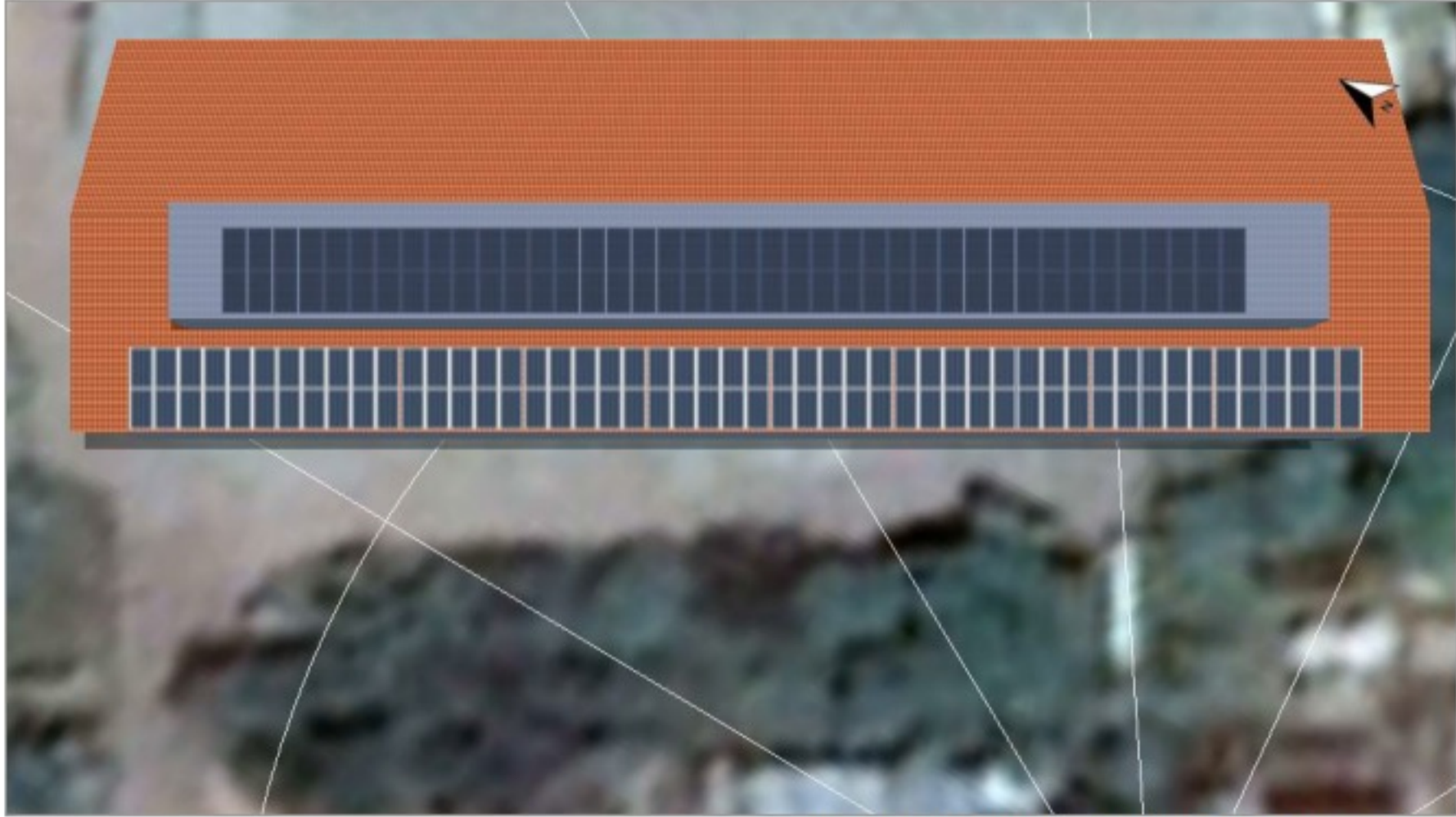


Figure: 3. Module Area - Building 03-Roof Area Southwest

4. Module Area - Saw Tooth Roof 01-Roof Area Southwest

PV Generator, 4. Module Area - Saw Tooth Roof 01-Roof Area Southwest

Name	Saw Tooth Roof 01-Roof Area Southwest
PV Modules	80 x YS600M-60 (v1)
Manufacturer	Yangtze Solar
Inclination	10 °
Orientation	Southwest 240 °
Installation Type	Roof parallel
PV Generator Surface	228,3 m ²

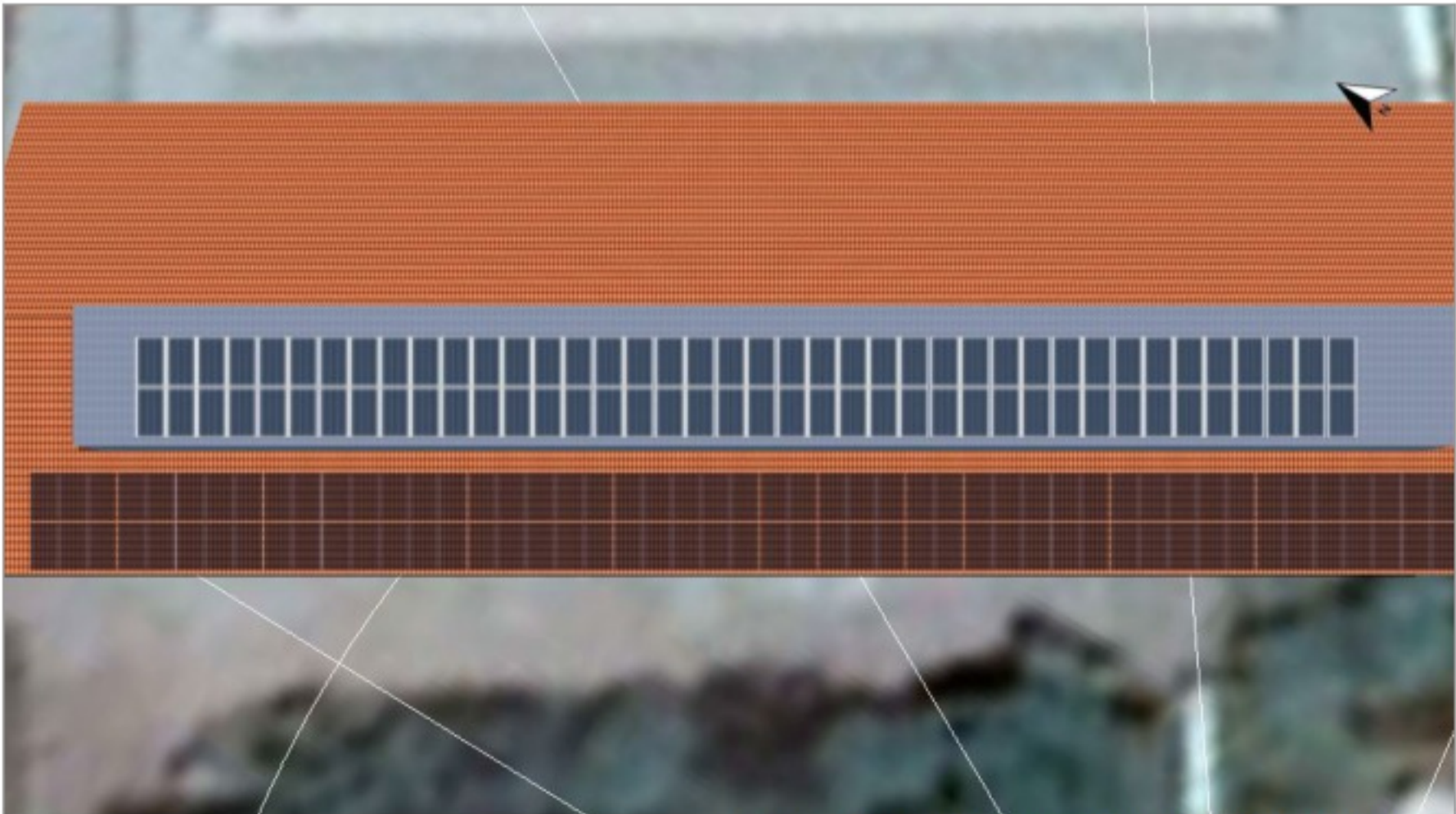


Figure: 4. Module Area - Saw Tooth Roof 01-Roof Area Southwest