

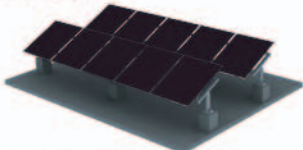


Large-scale Rooftop Solar Power Plants

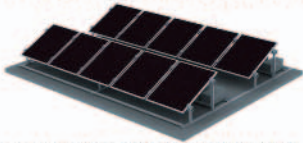


ENN EST Q11 Series tandem junction silicon thin-film modules are recommended to optimize the yield of the whole system.

Flat rooftop

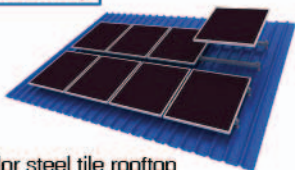


Construction with concrete structure

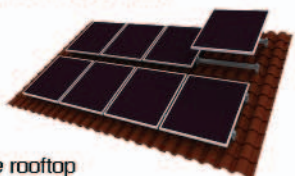


Reconstruction with steel structure

Pitched rooftop



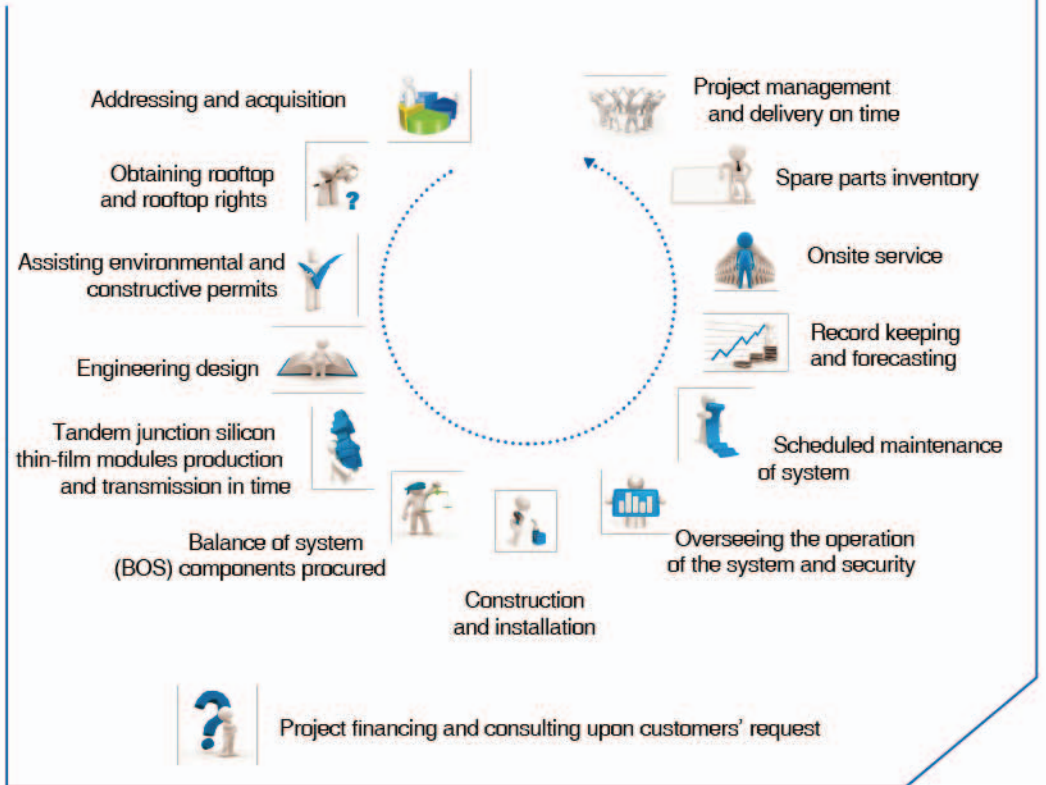
Color steel tile rooftop



Tile rooftop

- ✓ Suitable for flat or pitched rooftops
- ✓ Adapt for various rooftop materials
- ✓ Aesthetically pleasing performance

ENN Solar Energy provides a complete solution for commercial and industrial rooftops through our fully integrated services and perfect cost performance systems. The rooftop solution is suitable for various constructions and angles of rooftops. In projects in Europe and China ENN Solar is helping lead the way.



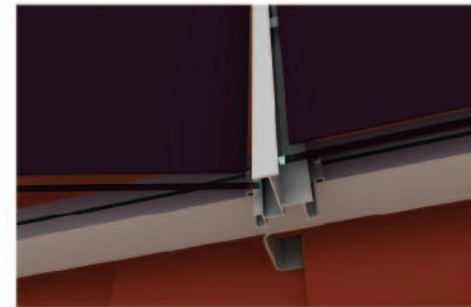
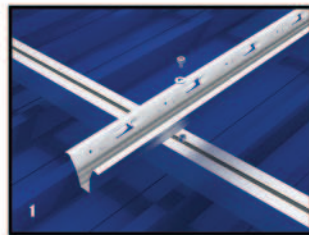
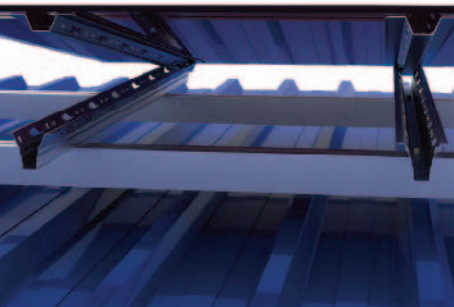


Transposition Factors For 50°N*

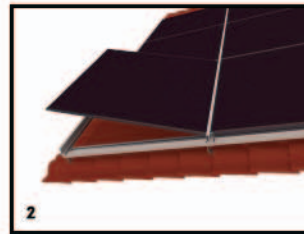
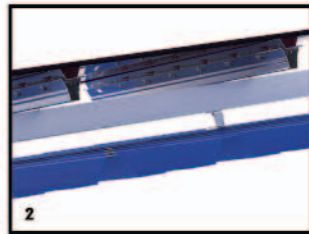
(Whole year, Horizontal Global Irradiance over 1000W/m²)

Azimuth/Tilt	-90	-75	-60	-45	-30	-15	0	15	30	45	60	75	90
90	0.64	0.68	0.72	0.75	0.76	0.77	0.77	0.76	0.76	0.74	0.72	0.68	0.63
80	0.70	0.76	0.81	0.84	0.86	0.87	0.87	0.87	0.86	0.83	0.80	0.75	0.69
70	0.77	0.83	0.88	0.92	0.95	0.96	0.96	0.96	0.94	0.91	0.87	0.82	0.76
60	0.82	0.89	0.94	0.99	1.01	1.03	1.04	1.03	1.01	0.98	0.93	0.88	0.81
50	0.87	0.94	0.99	1.03	1.06	1.08	1.09	1.08	1.06	1.03	0.98	0.93	0.86
40	0.91	0.97	1.02	1.06	1.09	1.11	1.11	1.11	1.09	1.06	1.02	0.96	0.91
30	0.95	1.00	1.04	1.08	1.10	1.12	1.12	1.11	1.10	1.07	1.03	0.99	0.94
20	0.98	1.01	1.04	1.07	1.09	1.10	1.10	1.10	1.09	1.06	1.04	1.01	0.97
10	0.99	1.01	1.03	1.04	1.05	1.06	1.06	1.06	1.05	1.04	1.03	1.01	0.99
0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

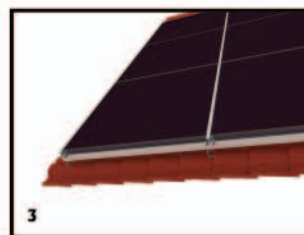
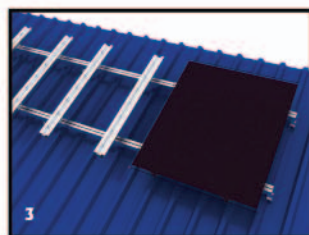
*ENN could choose optimal tilt based on customers' actual fact.



ENN Solar Energy cooperates with Gehrlicher® in rail and mounting system*



ENN Solar Energy cooperates with Creotecc® in rail and mounting system*



1. Mount support frame
2. Set modules with Gehrlicher® rails in place
3. Gravity-assisted lowering and hooking in

1. Mount support frame
2. Insert the modules with Creotecc® rails into the top of the support frame
3. Insert the modules into the bottom of the support frame

AMAT rail and nuts rail for customers' choice.



Reference cases

Tandem junction silicon thin-film rooftop solar power plant	
Scale	1.17MW
Location	43°45'N and 11°93'E
Meteorological condition	Average temperature 14.3 centigrade, peak sunshine duration 1430 hours per year
Module Specification	EST-120 and EST-115 over 9000 pieces
Power output at first year	1263040 kWh
Power output within 25 years	28228938 kWh
Sustainability	Saving approximately 30K tons of carbon dioxide in 25+ years.