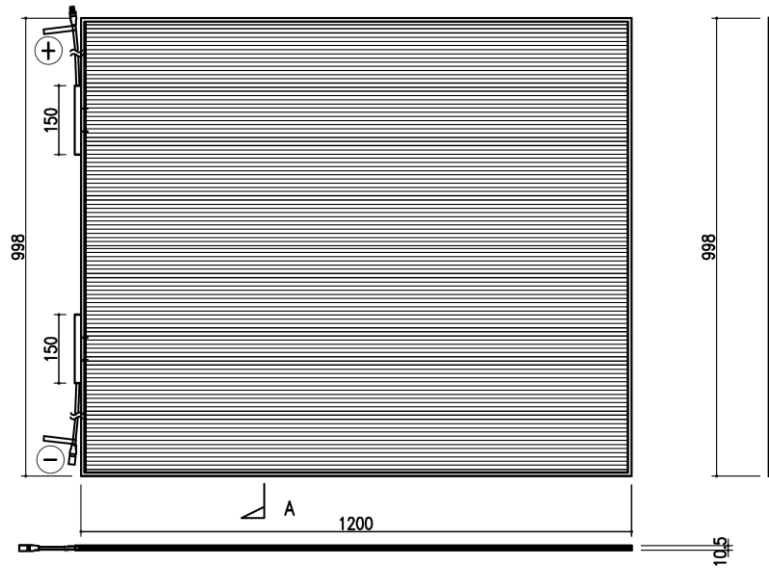




TAIYO SKYLIGHT SOLAR

What is Taiyo Skylight solar?



Taiyo Skylight Solar (TSS) is a multifunctional glass, which is a combination of new energy and energy saving technology.

Taiyo Skylight Solar is glass equipped with photovoltaic power generation system. It creates clean energy, while limiting solar radiation heat due to its heat shielding function.

<The combination of environmental friendliness and user comfort, makes it a completely new building solution.>

See through type details

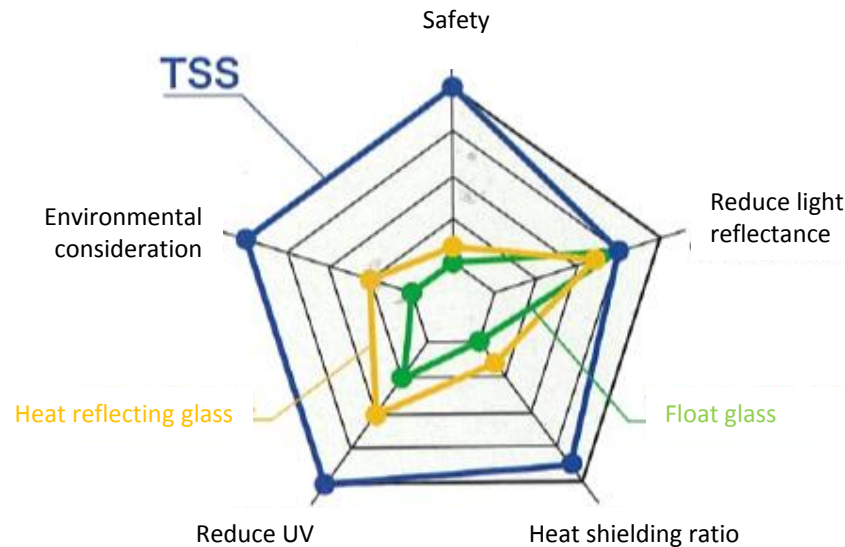


Solar cells: Thin-film
Module structure: frameless laminated glass
Glass structure: float glass t4+ float glass t6
Sunlight transmission: $4 \pm 1\%$ or $9 \pm 1\%$
Module size: 1200mmx 998mm
Max. output: 85w, 100w
Module thickness: 10.5mm
Module weight: approx. 30.0kg/ (25kg/m²)

Feature

1. Reduces more than 99% of ultraviolet transmission
2. Allows both day lighting and heat shielding
3. Natural glass which blends in with building appearance
4. Transmits even lighting (approximately $9\%(\pm 1\%)$) and reduces glare
5. No special maintenance for solar cells are necessary

Comparison with glass



TSS Specification

UV reduction 99.9%

Solar radiation reduction 89.9%

Light Transmission approx. 10%

Power generation 70W/m²

Variation and output properties

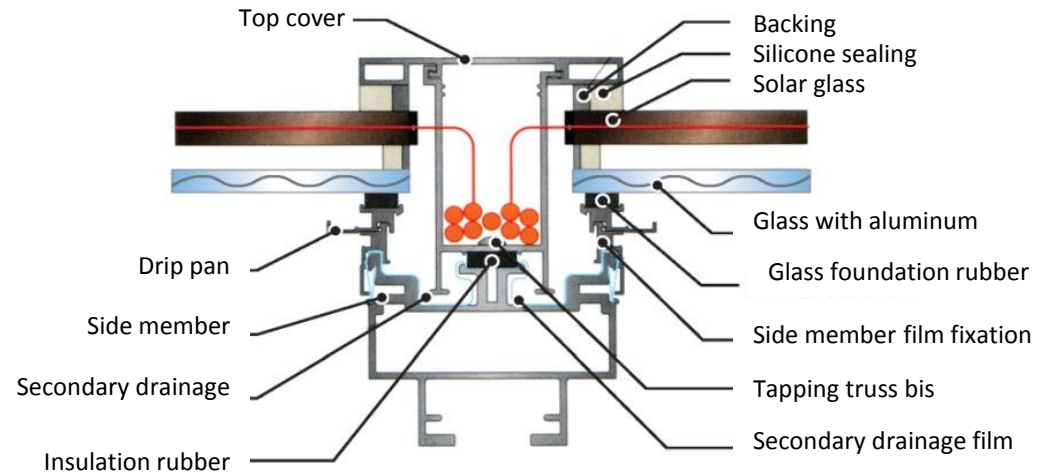
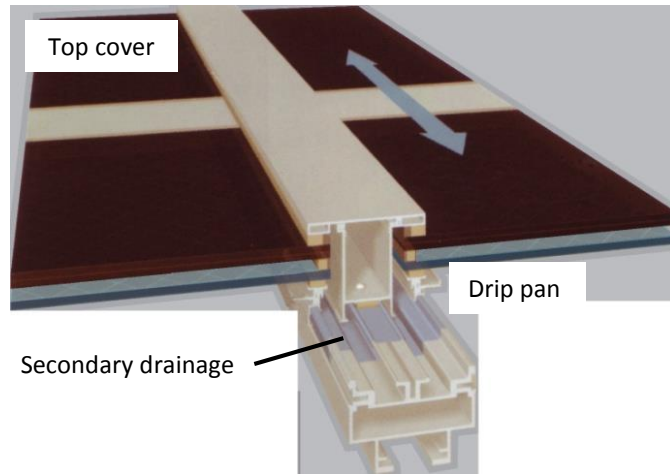
	Size (mm)	Light transmission	Max. output (W)	Vpm (V)	Ipm (I)	Voc (V)	Isc (A)
TKB085KS	1200 x 998	9% ± 1%	85.0	48.4	1.756	71.0	2.1
THB100KS	1200 x 998	4% ± 1%	100.0	52.2	1.915	71.0	2.3



JET Certified Products

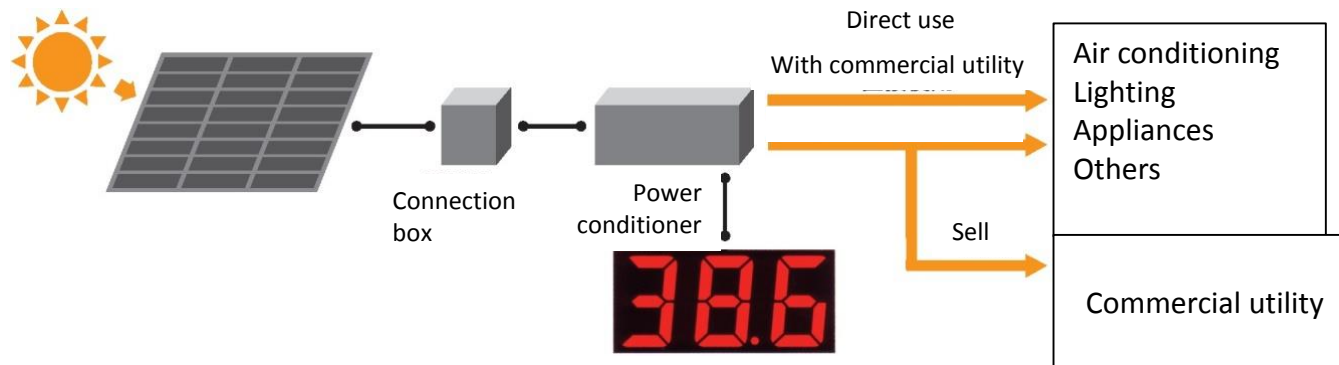
MakMax

Sash section view of TSS



*** Sash frame is NOT available for markets overseas**

System structure



Generated power can be used directly, in combination with commercial utility, or sold

Atrium / Skylight See Through



● DENSAN HEADQUARTER OFFICE
NAGANO, JAPAN



● SOSEI HIGH SCHOOL
HYOGO, JAPAN
6.05KW



● CHUO ELEMENTARY SCHOOL
CHIBA, JAPAN
2.9KW

Canopy/Curtain Wall See Through



● NOVENA HOSPITAL,
SINGAPORE
11KW



● TOSHIMA ECO MUSE TOWN
TOKYO, JAPAN
72.8kW

Shelter / Wall curtain see through type



●KITAYAMA STATION,
KYOTO, JAPAN
10KW



●SETTSU STATION,
OSAKA, JAPAN
2.27KW



●HAKATA SALT
EHIME, JAPAN
4.54KW



●MOIWAYAMA TOURIST FACILITY
HOKKAIDO, JAPAN
2.1KW



●SUWA CREDIT UNION
NAGAGNO, JAPAN
6.72KW



●LABOR AND WELFARE CENTER
KOREA
4.1KW