

o Purpose

We want to find new probability of solar power generation, and produce substantial sustainable society thereby

o Advantages

- 1 We can sell extra
- 2 We can use the solar cell in cases of a disaster and a typhoon.
- 3 We can use it for a long time.
- 4 We can keep electricity in a battery

o Disadvantages

- 1 The quantity of generation according to the amount of sunlight.
- 2 The setting place is limited.
- 3 Setting expense is high.
- 4 It can break

◇ Ranking ◇

Top 3 Towns with a lot of sunlight

1	Kofu ...	2128.7	hours per year
2	Takamatsu ...	2076.8	
3	Nagoya ...	2053.4	

Top 3 prefectures with high power generation

1	Kochi ...	1115.95	kw per year
2	Kagoshima ...	1003.35	kw per year
3	Okinawa ...	985.28	kw per year

About

Solar Power

Generation

HIROSAKI MINAMI
HIGH SCHOOL

13 HR 2 group

Member

- Takamatsu, Hiroaki
- Kato, Takahiro
- Inoue, Shun
- Tanaka, Ryoma

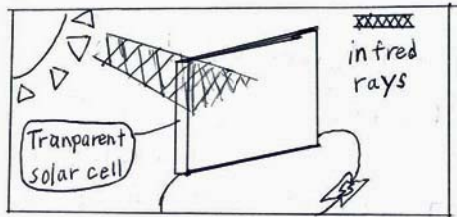
⊙ Travel tips

- Quantity of generation changes by the temperature of the panel.
- The quantity that a panel generates electricity has more azaleas than midsummer.
- The light is pollution.

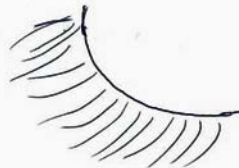
⊙ What is the conversion efficiency of the photovoltaic power generation?

- Conversion efficiency of a solar battery used now is around 20%.
- Conversion efficiency is around 30% even theoretically.
- The idea that is new to raise conversion efficiency is necessary.

⊙ Transparent solar cell



- This is the new solar cell that is made transparently.
- We can use it instead of window panels.
- This absorbs ultraviolet rays and maintains them.
- As for it, production costs are low, but the quantity of generation is low.



Kinds of solar panels

