

# Is there any radiation when raising fish under photovoltaic panels

Does fishery complementary photovoltaic (FPV) power plant affect radiation and energy flux?

Meanwhile, the underlying surface of PV in land is significantly different from those in lake. The fishery complementary photovoltaic (FPV) power plant is a new type of using solar energy by PV power plant in China. The studies of the impact of FPV on the balance of both radiation and energy flux have been less presenting.

Does FPV power station affect aquatic environment?

Based on the above analysis, the construction of FPV power station has limited impact on aquatic environment, mainly reflected in the impact on DO. However, the development of "fishery and photovoltaics integration" project will lead to serious eutrophication of water bodies.

Does Floating photovoltaic (FPV) affect the aquatic environment?

With the aggravation of global warming and the increasing demand for energy, the development of renewable energy is imminent. Floating photovoltaic (FPV) is a new form of renewable energy generation. However, the impact of FPV on the aquatic environment is still unclear.

Are fishery complementary photovoltaic power plants a new surface type?

The deployment of photovoltaic arrays on the lake has formed a new underlying surface type. But the new underlying surface is different from the natural lake. The impact of fishery complementary photovoltaic (FPV) power plants on the radiation, energy flux, and driving force is unclear.

Does a PV plant in a lake affect radiation and energy?

The total installed power generation of PV plant is accelerating in recent years. But the studies of the impact of PV plant in lake on radiation and energy were less reported. Meanwhile, the underlying surface of PV in land is significantly different from those in lake.

How FPV will affect the fishery and photovoltaics integration project?

With the increase of coverage ratio, FPV will lead to the overall reduction of  $T_w$  in the construction water area, and the distribution of  $T_w$  will be more uniform. For the "fishery and photovoltaics integration" project, reducing the peak  $T_w$  in summer and reducing the diurnal fluctuation are more conducive to the growth of fish.

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