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Neutrino voltaic cells

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See the Unified Absolute Relativity Theory at:

www.wbabin.net/saraiva/saraiva305.pdf
www.wbabin.net/saraiva/saraiva306.pdf
www.wbabin.net/saraiva/saraiva307.pdf
www.wbabin.net/saraiva/saraiva328.pdf
www.wbabin.net/stham/saraiva347.pdf

The Josephson junctions are like photovoltaic cells for neutrinos.
They detect the sun neutrinos and generate electricity.
The current is not a supercurrent because it has voltage.

$$V_C = I_C R_N \ ; \qquad P = V_C I_C$$

$$f = \frac{2q_e}{h} V \ ; \qquad \frac{h}{2q_e} = \frac{1}{K_{J-90}} = \Phi_0 \ ; \qquad K_{J-90} = 4.836 \times 10^{14}\, Hz/V$$

V_C -- Voltage of the junction; I_C -- Current of the junction; R_N -- Resistance;
P – Power; f – Frequency; q_e -- Electron charge; h – Planck constant;
V – Voltage; Φ_0 -- Magnetic flux quantum.

$$f = \frac{V}{\Phi_0} \ ; \qquad V = \frac{n\Phi_0}{t}$$

$$\Leftrightarrow \qquad f = \frac{n}{t} \qquad \Leftrightarrow \qquad n = 4.836 \times 10^{14}$$

Number of detected neutrinos from the sun:

$$n_\nu = 2.418 \times 10^{14}\, m^{-2} s^{-1} \qquad \Leftrightarrow \qquad n / n_\nu = 2$$

Power:

For Area = $1\, m^2$ $\Leftrightarrow$ P = 2 MW constant all day and night

Photovoltaics $1 m^2$ $\Leftrightarrow$ P = 170 W