

Does artificial bee colony enhance energy output from a PV system?

Enhanced energy output from a PV system under partial shaded conditions through artificial bee colony IEEE Trans. Sustain. Energy, 6 (2015), pp. 198 - 209, 10.1109/TSTE.2014.2363521 K. Sundareswaran, V. Vigneshkumar, P. Sankar, S.P. Simon, P. Srinivasa Rao Nayak, S. Palani

What is agrivoltaic beekeeping?

Beekeeping is just one of a number of activities that we are trialing in the field of agrivoltaics in order to combine the sustainable use of the land and the protection of biodiversity on the sites of our solar power plants.

How can artificial bee colony reduce convergence probability at local MPP?

It reduces the convergence probability at local MPP during partial shading conditions and eliminates the steady state oscillations. In the proposed method the conventional P&O algorithm and Artificial Bee Colony algorithm are integrated together to track the global MPP under varying shading patterns.

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Email: energystorage2000@gmail.com

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