

**Abstract** This paper introduces an innovative real-time intelligent optimization algorithm designed to minimize voltage harmonics in a multilevel inverter. The approach employs a Hybrid Genetic ...

Nowadays, the integration of PV power plants into existed power systems faced certain technical problems, mainly focused on reliability, power quality, and stability [4]. In addition, real-time ...

On the other hand, PVs are interfaced by inverters featuring advanced communication, metering, and control functionalities. Using inverters for reactive power control has been advocated as a ...

