

## عنوان مقاله:

Brushless Dc Motor Power Factor Correction By Converters BOOST And SEPIC

## محل انتشار:

بیست و ششمین کنفرانس بین المللی برق (سال: 1390)

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## خلاصه مقاله:

Nowadays power factor correction (PFC) rectifiers are an essential part of power system to improve power quality and decrease total harmonic distortion THD. Various PFC circuits were introduced in recent years. Base component of these circuits is BOOST converters. Proposed circuits differ in topology, IC used, control loop and algorithm. In some cases, PFC circuits were modified to obtain better characteristics due to their particular application. A PFC circuit with SEPIC rectifiers employing IC UC3854 proposed, simulated and built in laboratory. This method compared to BOOST .PFC circuit

## کلمات کلیدی:

Brushless DC Motor, PFC, BOOST, SEPIC converter, Harmonics

## لینک ثابت مقاله در پایگاه سیویلیکا:

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