

## عنوان مقاله:

Investigation of Over Potentials in a Short Stack with Integrated Humidifier and Water Separator Using EIS

## محل انتشار:

دوازدهمین سمینار سالانه الکتروشیمی ایران (سال: 1395)

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## خلاصه مقاله:

In this study, for the first time, a cascade type 4 cells stack with integrated humidifier, water separator and internal manifolds was designed, fabricated and tested. The diagnostic test was conducted by EIS. The effects of dead end mode of the stack impedance spectra are studied. The results suggested that ohmic resistance of the single cell decreased with increasing current density due to the greater effect of hydration of membrane.

## کلمات کلیدی:

Cascade type stack, Electrochemical Impedance Spectroscopy, Dead-end Operation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/800879>

