



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_6717
Title of the Manuscript:	Intelligent Ultrasonic Power Supply based on HPWM
Type of the Article	Research Paper

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	In introduction part old studies about the study are not given detailed. The literature study must be extended. Figure 1, 2 not clear and polish. This figure must be given detailed. Figure 4 not clear and not shows all the system completely. This figure and some of the others must be plotted again. There is two frequencies 20kHz- 600kHz which is the switching frequency is not clear. 20 kHz is very low for switching. At last and important experimental results not enough to understand the study. And the experimental setup must be given to improve the study. And add the references not enough for a journal paper.	1. Figure1, Figure2 have made some expression. Thank you for your reminder. 2. Actually, the figure 4 mainly introduces how to control the inverter by hpwm. So Digital PI control strategy diagram is being proposed. It didn't give the all the system circuit. 3. As the article said, 20kHz is not the switching frequency, but it is the output frequency of the sinusoidal wave, which is about 600kHz. The switching frequency has a multiple relationship with the sinusoidal wave, which is called carrier ratio. 4. The results of the experiment have made some supplement and modification. Thank you for your reminder.
Minor REVISION comments	Some of the words and units are written wrong they must be checked. There are some grammatical errors and mixed sentences not understand. They must be corrected.	1. We have modified with some grammatical errors. And make sure that it can be understood well. Thank you.
Optional/General comments	The study is not enough for a journal paper. The sections of manuscript must be extended and the experimental study must be studied detailed to improve the quality of the study. To improve the study it can be presented in a conference firstly.	1. As the manuscript presented, we have already represented the modified parts in red. If there are still some mistakes, please propose. We will appreciate. Thank you!