

Preparation of Manuscript for Journal of Power Electronics

First Author¹ · Second Author² · Third Author^{1*}

Abstract

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The manuscript should be no fewer than six (6) and no more than ten (10) pages, including figures, tables, appendix, and references.

2 Text

2.1 Text Formatting

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The title and author field are in one-column format, while the rest of the manuscript is in two-column format. The body text should be in 10 point, Times New Roman, fully justified, single-spaced with 1.15 lines of line spacing. Please use italics for emphasis.

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2.2 Nomenclature

If nomenclature section or the list of symbols is needed, please put it before the Introduction section without a section number.

2.3 Abbreviations

Please define all acronyms at their first mention and use consistently thereafter.

3 Equations

Use the equation editor or MathType for equations. Equations should be aligned to the center.

$$\begin{bmatrix} v_{dsh}^r \\ v_{qsh}^r \end{bmatrix} = \begin{bmatrix} L_d & 0 \\ 0 & L_q \end{bmatrix} \frac{d}{dt} \begin{bmatrix} i_{dsh}^r \\ i_{qsh}^r \end{bmatrix}, \quad (1)$$

Please refer equations like (1), (2)–(5) when you mention them in the main text. Please number the equations consecutively using Arabic numerals. If an equation is too large for a single column, make it span the width of the entire page and place it at the bottom of the page where it was supposed to be.

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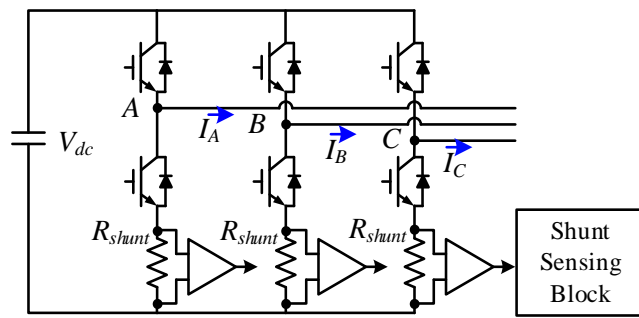
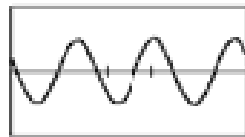
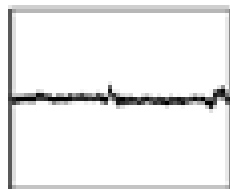


Fig. 1 Typical circuit of the three shunt sensing inverter



(a)



(b)

Fig. 2 Experimental result under SLGF condition: **a** source voltages (100V/div); **b** compensation voltages

Table 1 SI Base Units

Quantity	Name of Unit	Symbol
Length	Meter	m
Mass	Kilogram	kg
Time	Second	s
Electrical current	Ampere	A
Thermodynamic temperature	Kelvin	K
Amount of substance	Mole	mol
Luminous intensity	Candela	cd

All figures and tables are to be numbered using Arabic numerals. Figures and tables should always be cited in text in consecutive numerical order.

Figures should be referred to in the main text using the format "Fig. 1", "Fig. 2a", etc.

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Please write what you have achieved from your research or suggest a possible future experiment instead of repeating the introduction section or the summary of experimental results.

Acknowledgements Acknowledgements of people, grants, funds, etc. should be placed in a separate section on the title page. The names of funding organizations should be written in full. e.g. This work was supported by [...] (Grant numbers [...] and [...]).

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References

1. Dianov, A., Kim, N.-S., Kim, Y.-K.: Future drives of home appliances: Elimination of the electrolytic DC-link capacitor in electrical drives for home appliances. *IEEE Trans. Ind. Elec. Magazine.* **9**(3), 10–18 (2015)
2. Lee, W.-C., Hyun, D.-S., Lee, T.-K. Lee: A novel control method for three-phase PWM rectifiers using

a single current sensor. IEEE Trans. Power Electron. **15**(5), 861–870 (2000)

3. Chen, Y. M., Chen, Y. L., Chen, C. W.: Progressive smooth transition for four-switch buck-boost converter in photovoltaic applications. Proc. IEEE Energy Conversion Congress and Exposition, 3620–3625 (2011)
4. Zhoing, Q., Hornik, T.: Control of power inverters in renewable energy and smart grid integration. Chap. 3. Wiley-IEEE Press (2012)

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