**Preparation of Manuscript for Journal of Power Electronics**

First Author1 ∙ Second Author2 ∙ Third Author1\*

**Abstract**

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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 |

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**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.: Foture 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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