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| **Abstract:** |  |
| This paper demonstrates a multiple input DC-DC boost converter for hybrid renewable energy system. The hybrid topology operates receiving power from renewable energy sources of PV cell and wind turbine. The converter has been simulated using PROTEUS 8. Based on simulation hardware system has been designed and operated for DC sources. After successful operation of the converter, same design has used for renewable energy sources (PV cell and wind turbine) and it reveals the effectiveness of converter by obtaining increased voltage level with almost zero ripples | |