

Article Abstract

Title:	Wind driven mobile charging of automobile battery- A case study
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Abstract:	This paper deals with implementation of mobile wind driven generator technology to produce electricity in charging of two wheeler (12V) automobile battery. The use of PWM methodology with pulse charging method at a constant rate has been adopted for this purpose. The low speed PMSG driven by wind at speed of 15/40 km/hour has been used to eliminate gear box to achieve high efficiency. The output of three phase bridge rectifier is fed to boost converter which provides pulses of constant current to the battery.
Keywords:	Permanent Magnet Synchronous Generator, Wind Energy, Pulse width modulation PWM etc.