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| <p>(51) International classification :G05F 016700, G06T 072460, H01F 170000, H02J 033800, H02M 031580</p> <p>(86) International Application No :PCT//<br/>Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA<br/>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA<br/>Filing Date :NA</p> | <p>(71)Name of Applicant :<br/>1)SWAMI VIVEKANANDA UNIVERSITY<br/>Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Bara Kanthalia -----<br/>-----</p> <p>Name of Applicant : NA<br/>Address of Applicant : NA</p> <p>(72)Name of Inventor :<br/>1)MR. ABHISHEK DHAR<br/>Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY<br/>Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Bara Kanthalia -----<br/>-----</p> <p>2)MR. PROMIT KUMAR SAHA<br/>Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY<br/>Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Bara Kanthalia -----<br/>-----</p> <p>3)MR. SAURABH ADHIKARI<br/>Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY<br/>Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Bara Kanthalia -----<br/>-----</p> <p>4)DR. SAIKAT MAJUMDAR<br/>Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY<br/>Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Bara Kanthalia -----<br/>-----</p> <p>5)Mr. ARITRAS CHAKRABORTY<br/>Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY<br/>Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Bara Kanthalia -----<br/>-----</p> |
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(57) Abstract :

As solar energy gains popularity, more people are thinking about investing in MPPT converters (which stand for Maximum Power Point Tracking). Lead-Acid storage, on the other hand, has been the subject of far fewer works. In this study, we provide an inductorless converter that charging in addition to MPP operation, allows for rapid charging and the expansion of battery life. With consideration for ease of fabrication, cost effectiveness, and ease of maintenance, two distinct control circuits using analogue and microcontroller ICs have been constructed. We've gone over the hardware results and the simulation results.

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