

Hybrid Grass Cutter and Floor Cleaner Machine

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Abstract: *Grass cutting is an important task in keeping the length of grass and other unwanted plants in proper length and keeping the area Clean, which requires a significant amount of time and effort. Manual grass cutting using a traditional grass cutter can be time-consuming and can result in environmental pollution. To overcome these challenges, a Hybrid solar grass cutter integrated with floor cleaner using various electronic and electrical components has been designed and implemented. This system provides an efficient and environmental friendly solution for grass-cutting and floor cleaning while reducing the workload of gardeners and landscapers. The solar panel provides the necessary power to operate the system, making it energy-efficient and environmental friendly. The system is also equipped with a rechargeable battery and Solar Charge controller that stores solar energy and can be used when there is no sunlight. The system is designed with height-adjustable features and speed controller features, which means that it can operate very conveniently*

Keywords: Hybrid, solar, battery, grass cutter, floor cleaner, solar charge controller, DC motor, PWM speed controller