

SOLAR-POWERED BATTERY-OPERATED ELECTRIC WEED ELIMINATOR

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The Solar-Based Electric Weeder represents a pioneering advancement in the realm of weed management, leveraging solar energy to revolutionize traditional agricultural practices and extend its utility beyond conventional boundaries. This innovative device harnesses solar power through cutting-edge photovoltaic panels, propelling an electric weeding mechanism with versatile applications across various sectors including agriculture, urban landscaping, and forestry. By eschewing reliance on conventional fuel sources, the Solar-Based Electric Weeder ensures efficient and precise weed removal while significantly reducing operational costs. This aligns perfectly with the global momentum towards sustainable technologies, simultaneously enhancing mobility and ease of use across diverse environments. In urban settings particularly, this technology proves indispensable for maintaining green spaces without resorting to harmful herbicides, thereby promoting healthier ecosystems. Its multifaceted functionality signifies a notable stride towards a cleaner, more eco-conscious future in weed management. This abstract encapsulates the transformative potential of the Solar-Based Electric Weeder, marking a significant leap towards sustainable weed management practices that prioritize environmental stewardship and efficiency.