

Analysis and design of universal battery charger

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Abstract: This topic focuses on analyzing current requirements for universal battery charging, thereby proposing optimal design solutions. The context is the necessity of wireless charging technology in mobile and IoT applications. The main objective is to build a universal charging system capable of supporting multiple devices with high convenience. The research methodology includes evaluating existing techniques, analyzing usage needs, and experimentally implementing solutions. The expected results not only provide an efficient universal charging product but also contribute to the future development of wireless charging technology.

Keywords: Battery charging, wireless technology, system design