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K124PB SOLAR CHARGE CONTROLLER

The K124PB serves as a battery charge controller with a special focus on maximizing battery lifespan and charging efficiency. It can be powered either by a solar panel or a DC regulated power supply. When connected to a solar panel, the regulator employs a Maximum Power Point Tracking (MPPT) algorithm, ensuring optimal system efficiency and maximum power output. The two LEDs on the regulator show the charging progress and indicate when the battery is fully charged.

Additionally, the regulator includes an algorithm designed to recover deeply discharged batteries. Upon powering up, if the battery voltage falls below a specified level, the regulator activates this algorithm for a duration of 30 minutes.

Specifications

Compatible Battery Type	12V Lead-acid
Maximum Input voltage	30V
Maximum output current	4A
Battery regulation voltage	13.9V
Operating temperature range	-40...+85°C
Dimensions	92mm x 92mm x 50mm
Weight	97g