

New energy battery top cover welding parameters

5 ???· The main function of the cover. 1) Fixing/sealing function: laser welding of the top cover and the aluminum shell, wrapping and fixing the bare cell and realizing the sealing effect; 2) ...

Regarding laser welding prismatic lithium battery machine, a cutting-edge solution engineered to elevate industrial welding processes. With its advanced design featuring two workstations and an enclosed environment, this equipment ...

Combined with surface topography, cladding layer height, and fusion width, the optimized process parameters are welding current 125A, welding speed 200mm/min, and wire feeding speed 1100mm/min. ... ©2024 TYCORUN ...

Product parameters: ? AC adapter input:AC 100-240V 50/60Hz ? AC adapter output:15V 1.3A ? Machine input:DC 15V 1.3A ? Machine loading time:20-30 minutes ? Output ...

The laser beam is focused on a small area through the optical system, quickly forming a highly concentrated heat source in the welded area. area, so that the object to be ...

Huahan Weiye solves the pain points and difficulties of top cover welding detection with its unique self-developed algorithm advantages. Through surface defect ...

Square Power Battery Top Cover Sealing Welding Machine Suitable for sealing and welding the shell and top cover of square power batteries such as square lithium ion batteries, square ...

Because the batteries they produce are small in size, some battery manufacturers use a deep drawing process to manufacture the battery shell, and only need to ...

the lithium-ion battery top cover welding process achieves double the welding speed, and at the same time improves accuracy by 30% with a maximum position deviation within ±30 microns. ...

SN. Description. Remark. 1. The laser output head is driven by a three-axis high-precision mechanical module to ensure the accuracy of the hardware; Using high-precision algorithm ...

The new energy power battery shells on the market are mainly square in shape, usually made of 3003 aluminum alloy using hot rolled deep drawing process. Depending on the design ...

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