

# BYD Battery-Box BCU 2.0 Installation Guide

Dear partners,

Firstly, we would like to express our gratitude for your ongoing support and trust in the BYD Battery-Box residential energy storage business. BYD has always been committed to delivering premium products, services and user experiences to the market. In response to market demands and to enhance the installation experience, we introduced the newly upgraded BCU of the Battery-Box Premium HVS/HVM – BCU2.0. This updated version maintains the excellent original performance while optimizing cabling and configuration. BCU 2.0 focuses on optimizing side cabling and configuration, aiming to provide installers with a faster and more efficient installation experience. To ensure a smooth installation, we hereby provide the following instructions regarding installation tools and DC connectors:

## Receive crimping tools & connectors free of charge

During 25th July 2025 to 30th September 2025, BYD will provide the special crimping tools and connectors for free to our installer partners.

➔ Please get in contact with EFT Systems ([service@eft-systems.de](mailto:service@eft-systems.de)).

You may also purchase the tool directly through e-commerce platforms. The model and recommended brands are as follows:

- Model: YQK-70
- Recommended brands: CGOLDENWALL, AMZCNC und Bonvoisin

*Note: The connectors are also included in the scope of delivery of every BCU 2.0!*

## 1. Installation method introduction

Please crimp the end of the terminal with the YQK-70 hydraulic crimping tool so that the cable and terminal core are in close contact to ensure correct crimping. Then insert the crimped terminal into the connector. For a detailed instruction please refer to the installation video on the websites below:

Installation video EN



[DC Crimping and Connection for BCU2.0](#)

Quick Start Guide



[BCU2.0 Quick Start Guide.pdf](#)

Website



[www.bydbatterybox.com](http://www.bydbatterybox.com)

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## 2. Qualification Criteria

### A. Qualified

Terminal crimped with the special crimping tool shall meet the following standards: the crimp width must be greater than 5mm and the cable must be visible through the viewing hole. After inserting the terminal into the connector shell, it should remain securely in place and not detach when subjected to pulling.

#### Qualified

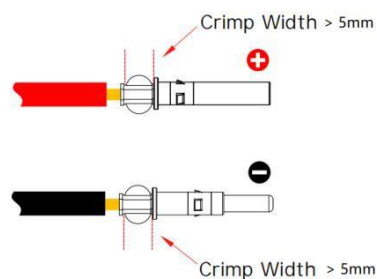


Before trimming

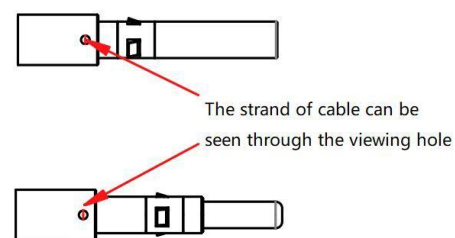


After trimming

#### Crimp Width Standard



#### Viewing Hole Standard

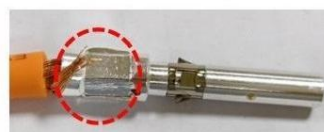


### B. Unqualified

If any of the following situations occur after the connector has been installed, or if the terminal is not securely inserted, the connection is considered unqualified. In such cases, do not use the connector. Please replace it or re-crimp the terminal as necessary.



The length of the copper wire inserted into the terminal is too short, and the copper wire is not visible in the observation hole.



Copper wire not fully inserted into terminal



Loose crimp (not forming hexagon)



Crimp position forward, close to the flange



Crimp position back, no bellmouth

# **BYD Battery-Box BCU 2.0 Installation Guide**

We fully understand the importance of having an easy and efficient installation experience. Therefore, we strongly recommend that our partners strictly follow the instructions in this guide when installing BCU2.0. Please use the designated crimping tools and terminals and carefully implement the crimping methods and qualification criteria. This approach will facilitate the installation process and ensure that the products operate effectively under optimal installation conditions.

If you have any questions or encounter any problems during installation or use, please feel free to contact our service team at any time. We will be dedicated to providing you with professional technical support and quality services.

Thank you once again for your trust and continued support for BYD's products all along. We will remain committed to continuous improvement and innovation in order to provide you with high-quality products and services.

BYD Energy Storage

25th July 2025