



MODERNIZATION SOLAR

How to control the charging current of the battery cabinet





Overview

What are battery charging cabinets?

Battery charging cabinets are a type of safety cabinet that's designed especially for lithium-ion batteries. Over the recent years, as the prevalence of lithium-ion batteries has grown in workplaces, battery cabinets have become more popular due to the many risk control measures that they provide.

How do I control the battery charge?

In the "System" tab, click on the "Project" button, and then the "System Control" tab. This controls when the battery charges. Cycle charging dispatch strategy runs the generator (s) at full load whenever they are turned on. Excess power charges the batteries.

How is charging current controlled?

Charging current is controlled according to IEC 61851 part 1 and part 23 (electric vehicle conductive charging system). Electric and electric hybrid vehicles are charged at the end stops in order to eliminate impact on the route schedule. With a span of power ratings, charging can be optimised in terms of charging time and battery condition.

What is a battery current control system?

The current control system is commanded by a superimposed battery voltage controller aimed at bringing the battery terminal voltage to the fully-charged state while also limiting the maximum battery charging current.



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