GE GE □□□ Series Service Manual

IS210AEPSG1BCB

1. Description

IS210AEPSG1BCB Technical Specifications

2. Specifications

Specification	Value
Manufacturer	**GE Energy**
Series	**Mark VIe Wind**
Part	**Number IS210AEPSG1BCB**
Functional	**Acronym AEPS**
Functional	**Description Alternative Energy Power Supply**
PCB	**Coating Conformal Coating**
Functional	**Revision 1 B**
About	**the IS210AEPSG1B**
This	**IS210AEPSG1B printed circuit board is a specialized model of PCB, considering its allegiance to the manufacturer GE Energy, and more specifically, the Mark VIe Wind Turbine Control System Series. The GE Energy General Electric shell company was created specifically of handling the industry giant's alternative energy turbine application product manufacturing.**

3. Product Information

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Functional Acronym AEPS

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PCB Coating Conformal Coating

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About the IS210AEPSG1B

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With this in mind, paired with this series' relatively recent rollout, it should be noted that only a very limited amount of original factory-issued instructional manual material detailing this IS210AEPSG1B board exist online. The specialized nature of the IS210AEPSG1B board seems also to have detracted from its general industrial machination market availability.

With these facts in mind, most of the information contained in this IS210AEPSG1B product page has been sourced from a breakdown of the functional IS210AEPSG1B product number, paired with hardware specifications retrieved from a basic component inspection.

This Alternative Energy Power Supply description happens to line up exactly with this PCB's AEPS-abbreviated functional acronym, which is made obvious through a breakdown of the functional IS210AEPSG1B product number. The IS210AEPSG1B product number begins with the IS210 series tag, which actually has dual naming functionality for the AEPS power supply. This IS210 series tag reveals the IS210AEPSG1B board to be a domestically-manufactured board with a special assembly version; most likely a special assembly that includes a SCOM grounding output terminal.

Moving on from this IS210AEPSG1B product number's IS210 series tag, the IS210AEPSG1B product number features an inclusion of the AEPS functional acronym, which is quickly followed by the G1 series grouping tag. This G1 tag has dual naming functionality similar to the IS210 series tag; identifying this product as a normally-coated AE Power Supply that has group one Mark VIe Wind Turbine Series grouping. The final "B" digit present in the functional IS210AEPSG1B part number reveals this PCB's singular, B-rated functional revision.

A number of specific hardware components crucial to the normative functioning of this IS210AEPSG1B Alternative Energy Power Supply can be discovered upon a simple visual inspection of the product. For starters, this IS210AEPSG1B PCB seems to have been equipped with a comprehensive series of:

fuses

diodes

resistors

capacitors

These all contribute to greater voltage storage and protection for the PCB and greater Mark VIe Wind Series drive assembly. All four of the corners of this relatively small GE Energy printed circuit board seem to have been factory-drilled for safe and voltage-protected installation. Several hardware components affixed to the base board of the IS210AEPSG1B module seem to come with their own factory-applied informational stickers detailing proper voltages and performance specifications of each component.