IMPORTANT PRODUCT INFORMATION

READ THIS INFORMATION FIRST

Product: Lithium Memory Backup Battery for IC693 PLCs

Overview

Some of this information is not available in any other publication; therefore, we recommend you save it for future reference. Formerly, this battery was shipped with the following IC693 power supplies, but this is no longer the case:

IC693PWR321	IC693PWR322	IC693PWR324	IC693PWR325
IC693PWR328	IC693PWR330	IC693PWR331	IC693PWR332
CE693PWR330	CE693PWR331		

The lithium memory backup battery is no longer shipped with IC693 power supplies; it is now shipped with IC693 <u>CPU baseplates</u> only.

This battery is shipped with certain baseplates, described below. It is labeled as item number 44A724534-001 (which is not an orderable number). For replacement purposes, this battery must be ordered as a separate item by specifying catalog number IC693ACC301 (which is a kit containing two batteries).
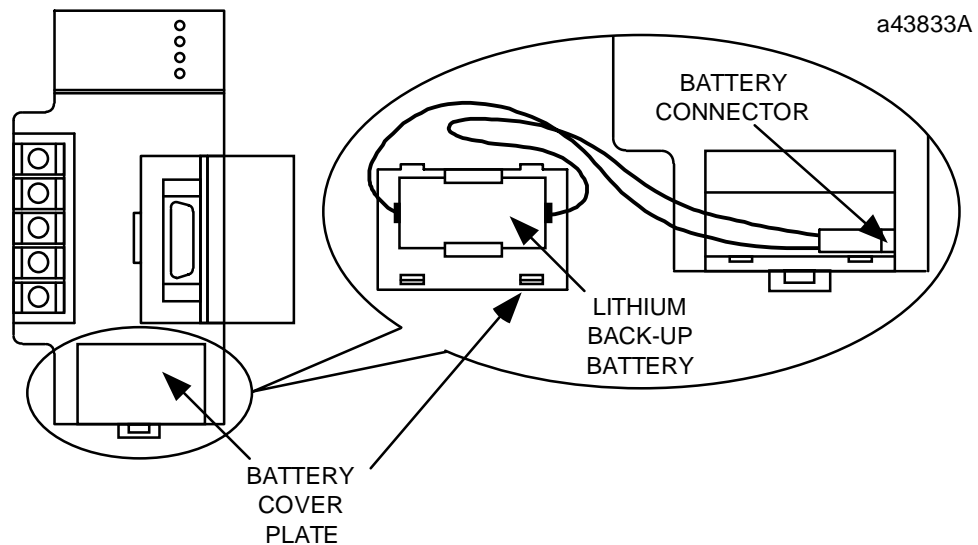
Battery Application

The lithium memory backup battery should only be used in power supplies that are installed in CPU baseplates. One of these batteries now ships with each CPU baseplate shown in the table below.

NOTE: Power supplies in expansion or remote baseplates do not require a memory backup battery. Installing the memory backup battery in a power supply installed in an expansion or remote baseplate provides no benefit. Also, the red BATT LED light is not functional on a power supply installed in an expansion or remote baseplate, and it will never light regardless of whether or not a battery is installed in the power supply.

IC693 CPU Baseplates		
Baseplate Catalog Number	**Type**	**No. of Slots**
IC693CHS391M	Modular CPU	10
IC693CHS391MCA1	Modular CPU	10
IC693CHS391LTM	Modular CPU	10
IC693CHS397L	Modular CPU	5
IC693CHS397LCA1	Modular CPU	5
IC693CHS397LTL	Modular CPU	5
IC693CPU311-AE	Embedded CPU	5
IC693CPU311CA-AE	Embedded CPU	5
IC693CPU311LT-AE	Embedded CPU	5
IC693CSE311E	Embedded CPU	5
IC693CPU313LTV	Embedded CPU	5
IC693CPU313V	Embedded CPU	5
IC693CPU313VCA1	Embedded CPU	5
IC693CSE313H	Embedded CPU	5
IC693CPU323LTV	Embedded CPU	10
IC693CPU323V	Embedded CPU	10
IC693CSE323H	Embedded CPU	10

IC693ACC301 Battery Installation Notes

This long-life lithium battery is used to maintain CPU RAM memory when input power to the IC693 PLC power supply is off. To gain access to the battery, remove the battery cover plate located at the bottom of the power supply faceplate. The battery is mounted in a plastic clip molded to the back of the battery cover plate. The battery comes pre-wired with a small female Berg connector that plugs into the male Berg connector on the power supply printed circuit board (see following figure). For more information about this battery and other related topics, refer to *the IC693 Installation and Hardware Manual.*

New Installations

For new installations, we recommend you install the memory backup battery in the power supply before installing the power supply in the CPU baseplate.

Replacing the Battery in Existing Installations

The battery can be replaced, if caution is used, while power is applied to the PLC (IMPORTANT: Read the Warning below).

Warning

Lethal voltages **may be present in the equipment enclosure. Work performed on the PLC with power applied must be done** *only by qualified, trained electrical personnel* **who know and follow applicable electrical safety standards and practices. Failure to heed this warning could result in** **personal injury or death.**

If the Low Battery Warning light (the BATT LED on the power supply) comes on, replace the battery in the power supply before removing power from the PLC. Otherwise, there is a possibility that data in RAM memory will be corrupted or the application program will be cleared from RAM memory.