

## Series 90-30 Battery Module IC693ACC400

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GFK-2593B

The IC693ACC400 Battery Module provides an extended memory backup time compared to that of the standard memory backup batteries for Series 90-30. The Battery Module replaces the standard CPU RAM backup battery in your control system.

### Compatibility

The IC693ACC400 battery can **only** be used with the following Series 90-30 power supplies:

IC693PWR321	IC693PWR325	IC694PWR330
IC694PWR321	BP693PWR326	IC693PWR331 version B or earlier
IC693PWR322	IC693PWR330	IC694PWR331 version B or earlier
HIC693PWR322	HIC693PWR330	IC693PWR332
IC693PWR324	CE693PWR330	HIC693PWR332

### Installing the Battery

#### Warning

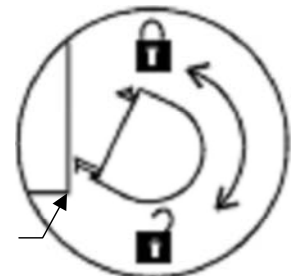
**To avoid losing the contents of RAM memory, you can carefully perform the following steps with PLC power ON. This procedure should be performed only by qualified electrical personnel who are trained in applicable electrical safety rules and procedures. Failure to follow standard electrical safety practice can result in injury or death to personnel, damage to equipment, or both.**

**Note:** Battery packs that have been in storage for several years (depending on the CPU type and how critical the application is) should be discarded because these units have a nominal shelf life of five years. To determine the age of the battery, refer to the manufacturer's date code, which is located on the product label on the front of the battery. To interpret the date code, refer to the manufacturer's web site.

1. Carefully insert the tip of a small pocket size screwdriver into the battery cover removal slot, located beneath the battery cover. Gently rotate the screwdriver to loosen the cover.
2. Remove the cover with fingers. The battery is mounted in a clip on the back of the cover.
3. Carefully reach into battery compartment with your fingers (do not use a metal object to do this) and unplug the battery connector.
4. Remove the old battery from the clip and set it aside.
5. Unplug the clip and discard it.
6. Carefully reach into the battery compartment with your fingers (do not use a metal object to do this) and plug in the new battery connector.
7. Mount the battery module on the front of the power supply.



Battery cover  
removal slot



Bottom of  
power supply

### Disposal

When this product has expended its useful life, dispose of it safely and in accordance with the manufacturer's Material Safety Data Sheet (MSDS) provided with the battery.

**Specifications**

<b>Parameter</b>	<b>Specification</b>
Battery capacity	7.5 Amp-hours
Physical dimensions	2.62mm diameter x 50mm high (0.10in. x 1.9in.) cylinder
Connection	10cm (3.9in.) lead with female 2-pin connector; Compatible with the battery connectors on Series 90-30 power supplies.
Operating temperature range	0°C to 60°C
Nominal shelf life	5 years

**Nominal Battery Life**

An ACC400 battery that is used continuously (supplying current to memory circuits with PLC power off) at room temperature (25°C/77°F) has average life estimates as follows:

<b>CPU Model</b>	<b>IC693ACC400 Estimated Average Life at 25°C/77°F</b>
CPU311, CPU313, CPU323	5 years
CPU350-DJ and earlier	5 years
CPU350-EJ and later	3 years
CPU374	7.2 months

**Note:** If your application requires greater backup capacity, an external IC693ACC302 Auxiliary Battery Module is recommended. For specifications, refer to the *Important Product Information* document, GFK-2124.

**Related Documents**

*Series 90-30 Installation Manual*, GFK-0356

*Auxiliary Battery Module*, GFK-2124