

Section 3: Energy Packs

An Energy Pack is used in conjunction with a Controller to preserve user memory in the Controller during power fluctuations or outages.

If system power is lost, the Energy Pack maintains power long enough for a Controller to write its user memory contents to nonvolatile memory. When system power is restored, the user memory is restored if the Controller is configured to power up from RAM.

3.1 Energy Pack Compatibility

The correct Energy Pack must be used with the corresponding controller. Do not attempt combinations except those shown as “compatible” in the table below:

Energy Pack	ICRXIACCEPK01A	IC695ACC400	IC695ACC402	IC695ACC403
Cap Pack	ICRXIACCCPK01A	IC695ACC400	IC695ACC412	IC695ACC413
Controller				
ICRXICTL000	Compatible	Incompatible	Incompatible	Incompatible
IC695CPE302 IC695CPE305 IC695CPE310	Incompatible	Compatible	Incompatible	Incompatible
IC695CPE330	Incompatible	Incompatible	Compatible	Incompatible
IC695CPE400 IC695CPL410	Incompatible	Incompatible	Incompatible	Compatible

3.2 PACSystems RXi Energy Pack (ICRXIACCEPK01A)

3.2.1 Specifications

ICRXIACCEPK01A Energy Pack. Includes base, Cap Pack module and Energy Pack to Controller cable

ICRXIACCCPK01A Replacement Cap Pack module

ICRXIACCCBL01A Replacement 0.3m (12”) Energy Pack to Controller cable

Functional Specifications

Specification	Description
Dimensions	114.05 × 77.47 × 63.75 mm (4.49” × 3.05” × 2.51”)
Input voltage range	20–30 Vdc
Input power, maximum	36 W + connected device power requirement
Output voltage range	18–30Vdc
Output power maximum	45 W

3.3 PACSystems RX3i Energy Pack (IC695ACC400)

Refer to PACSystems RX3i Energy Pack IC695ACC400 IPI, GFK-2724.

3.4 PACSystems RX3i Energy Pack (IC695ACC402)

3.4.1 Specifications

Part Numbers

IC695ACC402	Energy Pack. Includes base, Cap Pack module and Energy Pack to Controller cable
IC695ACC412	Replacement Cap Pack module
IC695CBL002	Replacement 1.0m (39") Energy Pack to CPE330 Controller cable

Functional Specifications

Dimensions	114.05 × 77.47 × 63.75 mm (4.49" × 3.05" × 2.51")
Input voltage range	18–30 Vdc
Input power, maximum	24 W
Output voltage range	18–30Vdc
Output power maximum	45 W
Output current maximum	2.25 A
Backup trip voltage	16.7 Vdc ±4%
Capacitor Pack life expectancy	5 years

Environmental Specifications

The Energy Pack shall be installed in a location that is not exposed to corrosive gases or liquids, rain, or direct sunlight, and that meets the environmental specifications listed below.

Operating Temperature, surrounding air	-25 °C to 60 °C
Storage Temperature	-40°C to +85°C (-40°F to 185°F)
Humidity	5% to 95%, non-condensing

3.4.2 Installation & Operation

Refer to PACSystems RX3i Energy Pack IC695ACC402 Quick Start Guide, GFK-2939.