GE IC698PSA100

RX7i Power Supply

GE IC698PSA100 supplies the PACSystems RX7i backplane with regulated +5 V, +12 V and -12 V outputs from a wide-range AC or DC source.

01	02	03	04
100 W total output from 0 to 60 °C	85–264 VAC or 100–150 VDC input	+5 V, +12 V and -12 V backplane outputs	Overcurrent, overvoltage and overtemperature protection

System position

AC or DC field source	IC698PSA100 in RX7i slot 0	Protected three-rail DC output	PACSystems RX7i backplane modules

Evidence boundary

Only verified exact-model facts and explicitly identified family context are included. Similar codes are not treated as substitutes.

Model-specific release focus

- 100 W total output from 0 to 60 °C
- 85–264 VAC or 100–150 VDC input
- +5 V, +12 V and -12 V backplane outputs
- Overcurrent, overvoltage and overtemperature protection

02 / CAPABILITY MAP

Engineering domains and architecture

Product family	PACSystems RX7i
Module function	Rack power supply
Total output	100 W
AC input	85 to 264 VAC, 47 to 63 Hz

DC input	100 to 150 VDC
+5 V output	20 A maximum
+12 V output	2 A maximum
-12 V output	1 A maximum

Interface architecture

Field input

L1/+ and L2/N/- terminals accept the specified AC or DC source

Protective earth

Ground terminal bonds the supply and rack to earth

Backplane power

PICMG 2.11 connector distributes the three regulated rails

Power monitor

VME AC_FAIL# warns the controller before outputs fall below limits

Interface evidence for acceptance

- Field input: L1/+ and L2/N/- terminals accept the specified AC or DC source
- Protective earth: Ground terminal bonds the supply and rack to earth
- Backplane power: PICMG 2.11 connector distributes the three regulated rails
- Power monitor: VME AC_FAIL# warns the controller before outputs fall below limits

03 / INTEGRATION AND APPLICATIONS

Use cases with controlled scope

RX7i main-rack power

Feeds PACSystems RX7i CPUs and option modules within the 100 W budget.

Wide-range AC cabinets

Accepts common 120/240 VAC industrial feeds without input-range selection.

DC-fed control systems

Operates from the documented 100–150 VDC source range.

Convection-cooled racks

Delivers full rated output through 60 °C without a fan tray.

INTEGRATION CHECKPOINTS

Identity

GE IC698PSA100 is preserved in full.

Host system

Rack, slot and surrounding hardware are verified.

Configuration

Project, firmware and settings are recorded.

Acceptance

Functional evidence is captured before release.

System relationship

AC or DC field source	IC698PSA100 in RX7i slot 0	Protected three-rail DC output	PACSystems RX7i backplane modules

Configuration-control record

- DC input: 100 to 150 VDC
- +5 V output: 20 A maximum
- +12 V output: 2 A maximum
- -12 V output: 1 A maximum

Decision matrix

Question	Answer
What input sources can GE IC698PSA100 accept?	It accepts 85–264 VAC at 47–63 Hz or 100–150 VDC through the front input terminals.
What is the total output rating of GE IC698PSA100?	The supply delivers up to 100 W from 0 to 60 °C without forced-air cooling.
Which DC rails are provided by GE IC698PSA100?	The RX7i backplane receives +5 V at up to 20 A, +12 V at up to 2 A and -12 V at up to 1 A.
Which rack position is required for GE IC698PSA100?	Install it in slot 0, the leftmost power-supply position of the RX7i main rack.

Eight release precautions

1

Isolate the incoming source; the front ON/OFF switch disables outputs but does not remove hazardous input voltage.

2

Install IC698PSA100 only in slot 0 of an RX7i main rack and secure the mounting screws.

3

Calculate the combined +5 V, +12 V and -12 V demand before energizing the rack.

4

Use copper conductors with the documented temperature rating and tighten terminals to the specified torque.

5

Bond the supply ground terminal to the rack ground and protective earth with the recommended conductor.

6

Do not insert or remove the supply or adjacent modules while field or rack power is present.

7

Investigate OUTPUT OK loss before cycling power; an overload on one rail can collapse other rails.

8

After installation, verify FIELD OK, OUTPUT OK and the controller response to the AC_FAIL# warning path.

Product verification and support

Apter Power verification record

Model identity	Keep the complete GE model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references	Scope note
GE IC698CRE030	Portfolio reference only; verify compatibility independently.
GE IC698RMX016	Portfolio reference only; verify compatibility independently.
GE IC695RMX128	Portfolio reference only; verify compatibility independently.

	Apter Power technical and sourcing support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com Scan for the Apter Power contact page.	Model record GE IC698PSA100 RX7i Power Supply Verify the complete nameplate before installation.