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.

Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

Safe-work boundary

Identify Match the complete model and every suffix or secondary code.	**Isolate** Apply the plant-approved electrical and process isolation procedure.
Preserve Back up configuration and photograph all connections.	**Control** Use ESD protection and revision-controlled documentation.

Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

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

Readiness checklist

Exact identity	GE IC698PSA100 matches the work order and physical unit
System position	Rack, slot and functional assignment are recorded
Configuration	Parameters, firmware or project data are backed up when applicable
Connections	Every cable, terminal, jumper and shield is labeled
Condition	Connector, board and packaging condition are inspected
Test plan	Expected states and acceptance evidence are agreed

Interface preparation

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 / INSTALLATION SEQUENCE

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare old and replacement identities and revisions
3	Photograph and label all connections
4	Remove the existing module using ESD-safe handling
5	Inspect slot, connector, grounding and cooling path
6	Install the exact replacement without forcing connectors
7	Restore cables, jumpers and settings from the controlled record
8	Perform a final visual and continuity check before energization

STOP POINT

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

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

Staged return to service

Stage	Action	Acceptance
Stage 1	Visual inspection and isolation release	Expected controlled result
Stage 2	Apply control power under observation	Expected controlled result
Stage 3	Confirm module recognition or status	Expected controlled result
Stage 4	Verify communication and affected signal paths	Expected controlled result
Stage 5	Exercise the documented function	Expected controlled result
Stage 6	Archive measured results and as-left configuration	Expected controlled result

Product-specific acceptance focus

1

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

2

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

3

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

4

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

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power, slot and connectors
3	Compare configuration and revision records
4	Test surrounding system before condemning the module
5	Restore a safe state and document the outcome

Apter Power handover 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.



Commissioning support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com