

IEPMU01

System Integration and Verification Reference

The Elsasg Bailey IEPMU01 is a rear-mounted Power Mounting Unit for the INFI 90 AC modular power system. It houses and connects as many as ten power modules while separating the higher-current power section from process-control modules.

Manufacturer	ABB / Elsasg Bailey
Complete model	IEPMU01
Product description	INFI 90 Power Mounting Unit
Prepared by	Apter Power
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1. System role

The IEPMU01 provides the physical housing and power interconnections for the system's modular power supplies. The installed power modules create the documented system DC rails; the mounting unit itself is not a process I/O module and does not measure field signals.

What the product handles

Power distribution and backplane interconnection; no direct process input or output channels.

Required companion components

Up to ten compatible INFI 90 power modules, cabinet fan/cooling system, power-entry wiring and the process-module mounting architecture.

Where it is used

INFI 90 control cabinets requiring segregated, modular DC power generation and distribution.

Pre-installation record

Parameter	Verified value
Identity	Record complete model IEPMU01 and every revision/suffix from the nameplate
Evidence	Retain the cited manufacturer PDF and site-approved drawings
Configuration	Back up the approved controller, network or module configuration
Connections	Label cables, terminals, module positions and field wiring
Commissioning	Define a point-by-point or communication verification plan

2. Installation and commissioning controls

Recommended verification sequence

Parameter	Verified value
1 - Identify	Match the full nameplate and physical construction
2 - Isolate	Follow site lockout, electrical-safety and ESD procedures
3 - Compare	Confirm companion hardware, cables, termination and revision compatibility
4 - Install	Use manufacturer mounting, grounding and environmental requirements
5 - Configure	Restore only the approved configuration and documented settings
6 - Test	Verify communications, diagnostics and every affected process function
7 - Release	Record results and obtain the required site authorization

Model-specific precautions

- Size and verify the installed power-module set from the system load calculation; the mounting-unit model does not define available output current.
- Maintain required cabinet cooling and inspect fan operation before energizing a fully populated power mounting unit.
- Use lockout/isolation procedures and confirm all DC rails before reconnecting process modules.

Manufacturer source PDFs

Manufacturer document	Direct PDF
Elsag Bailey I-E96-506B1 AC Modular Power System	Open PDF in a new window

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