

Save time, reduce costs and simplify expansion



Faster and at lower cost

In every industry, facilities managers must build new plants and add capacity at existing facilities using fewer resources and in shorter time frames than ever before.

Completing construction projects quickly requires detailed coordination. From design and engineering to equipment purchase to installation and startup—precise organization is critical.

Yet, there are challenges. Equipment must be delivered on time. Weather cannot delay the project, and various construction trade personnel must be rigorously scheduled and managed.

A skilled partner

Despite these challenges, you must complete the task with limited resources while simultaneously maintaining existing processes and operations. It is a huge task.

You need a partner who can answer the questions raised by the demands of shorter time frames and lower costs.

That partner is Eaton's electrical business—and the answer is the integrated power assembly.

Pre-engineered, ready to go, ready to expand

Eaton's integrated power assembly (IPA) is a prefabricated metal enclosure containing Eaton power distribution and industrial control products.

In addition to Eaton electrical switchgear, motor control centers and communication systems, IPAs contain other auxiliary equipment necessary to complete the work scope per specifications.

Eaton IPAs reduce your engineering load. Simply describe what you need, and let Eaton do the rest.

A design layout and detailed bill of material takes you from concept to the approval stage of a project quickly.

As part of the engineering process, Eaton's value-added engineering provides recommendations designed to lower your costs, ease installation and simplify future expansion.



Powering Business Worldwide

No integration, easy installation

On-site coordination and installation problems are eliminated because all equipment is installed, tested and ready to use upon delivery. Simply connect line and load cables, and you are online.

No need to juggle complex delivery schedules or coordinate multiple trade service crews, because Eaton does it all for you. You not only save time usually needed to get new equipment up and running, but you have more time available to keep your facility's day-to-day operations on track. And, because IPAs arrive at your site fully completed, you will never experience the weather-related delays and cost-associated overruns that often plague on-site construction projects.

Rugged, versatile construction

Whether single-unit, multi-story, manned or unmanned, Eaton IPAs are constructed using a rugged, welded I-beam base, providing a solid foundation for internally mounted components allowing either slab or "raised on piers" installation. The use of galvanized steel, stainless steel or aluminum construction provides application flexibility for a wide variety of site conditions.

Options such as concrete construction, ISO containers, skids and blast resistant construction are also available.

Construction details are engineered to ensure that both customer specifications and building codes are met for each installation.

Lower cost

The IPAs pre-engineering and prefabrication reduce overall project costs through:

- A coordinated single shipment that eliminates multiple on-site handling and storage expenses
- "One stop" documentation
- Reduced timeline to completion, allowing earlier startup of facility/process revenue stream

In fact, an IEEE® study has demonstrated that an IPA costs considerably less to engineer, integrate and construct than a structure built on site.

In addition, IPAs can be depreciated over a shorter equipment schedule than "brick-and-mortar" buildings, adding tax advantage benefits. But installation cost is only part of the story.

Note: IEEE paper No. PCIC-84-11, "Installation Economics: On-Site Construction vs. Packaged Power Control Assemblies," indicated a 14% installed cost advantage using the IPA concept.

Single source responsible

An Eaton IPA makes your job easier. You have only one order to write, one set of engineering documentation to review, one set of terms and conditions to understand, one shipment to receive, and one invoice to pay.

From installed equipment to wiring to downspouts, you have only one supplier responsible to meet your needs—Eaton's electrical business.

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