

Save space and installation costs



Eaton's all-copper mini-power center incorporates all of the features and benefits included in the industry-proven aluminum model, plus the additional features of a copper-wound transformer with a copper loadcenter chassis that accepts bolt-on feeder breakers.

Introduction

Today's electrical distribution systems are required to do more in less space, while at the same time be cost-effective. Eaton provides a solution that meets both of these requirements with the mini-power center.

The mini-power center combines three individual components into a single NEMA® Type 3R enclosure—a primary main breaker, an encapsulated transformer and a secondary main breaker type distribution loadcenter. All interconnecting wiring is completed at the factory.

The all-copper mini-power center features a copper-wound transformer along with a copper loadcenter chassis that accepts Eaton's Type BAB family of bolt-on feeder breakers.

Applications

Mini-power centers are used where there is a 480V or 600V distribution system and where there are loads requiring 120/240V single-phase or 208Y/120V three-phase.

Typical installations include:

- Industrial plant assembly lines
- Plant expansions
- Test equipment
- Temporary power on construction sites
- Waste water treatment facilities
- Warehouses
- Car washes
- Parking lots
- Commercial buildings
- Golf course irrigation systems

Easy to install

- A variety of concentric knockouts on the sides and the bottom
- Wiring compartment includes ample space for conduit entry
- Maximum wiring gutter space is provided for ease of wiring, in compliance with NEC® requirements
- Simplified design includes two keyholes for easy mounting and leveling

All-copper mini-power center components

Circuit breakers

- Primary and secondary main breakers are Eaton Type EHD or FDB
- Feeder circuits can easily be added using Eaton's family of Type BAB breakers (10 kAIC); Feeder breakers not included

Safety

- All live parts are enclosed for personnel safety and equipment protection
- Padlockable hinged cover prevents removal of feeder breakers
- Grounding terminal provided on the enclosure
- Designed to accept padlock kit PLK1 to lock primary main breaker ON/OFF

Loadcenter

- Space for up to 30 feeder breakers
- Premium copper chassis for Type BAB bolt-on breakers
- Ground bar is provided as standard for grounding of individual secondary circuits
- Neutral bar grounded to enclosure

Enclosures

- Standard NEMA Type 3R indoor/outdoor heavy-gauge steel enclosure with a rugged baked-polymer powder coating
- Optional NEMA Type 3R grade 316 stainless steel

Transformer

- Electrical grade copper windings
- 185°C insulation system
- 115°C winding temperature rise
- Sand and resin encapsulated core-coil assembly
- Cores are grounded with a copper lead

Standards

- UL® listed and CSA® certified
- UL listed as suitable for service entrance
- Meets all applicable ANSI, NEMA, IEEE® and UL standards



Powering Business Worldwide

Compare the installation cost savings—31 percent less

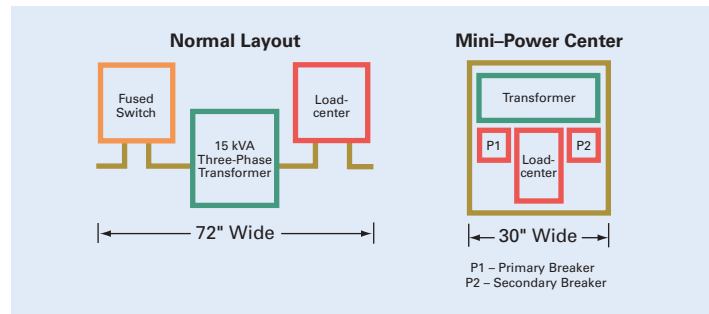
Because we knew that putting three components in one enclosure dramatically cuts installation time, we asked an electrical contractor to estimate the job two ways:

- Using a separate breaker, transformer and loadcenter, including the connecting cable and hardware
- Using a mini-power center

Here are the estimates in hours ¹

Installation	15 kVA		25 kVA	
	Three-Component System	Mini-Power Center	Three-Component System	Mini-Power Center
Switch and fuse layout	4	0	4	0
Switch and fuse mount	1	0	1	0
Transformer layout, remove knockout, etc.	16	16	24	24
Transformer fastened to wall	4	0	4	0
Loadcenter layout, mount and connect source	4	4	6	4
Total hours	29	20	39	28
Percent of time saved with Eaton mini-power center	31% savings		28% savings	

¹ Time estimates are typical and will vary by geographical area.



Compare the Space Savings...30 Inches Instead of 72 Inches! Specify the mini-power center

Take advantage of the mini-power center's space and cost savings! Have your architects, design engineers and buyers insert the Eaton mini-power center with the catalog number in the specification.

Catalog number information—all-copper mini-power center (uses Type BAB feeder breakers)

kVA	Style Number	Full Capacity Taps FCBN	Dimensions in Inches (mm) ¹			Weight Lbs (kg)	Frame	Main Circuit Breaker ²		Feeder Breakers Max. Number ^{3,4}			
			Height	Width	Depth			Primary	Secondary	Single-Pole	Two-Pole	Three-Pole	Max. Amp.
Single-Phase—480V to 120/240V													
3	P48G11S03CUB	2 at -5%	33.25 (844.6)	12.56 (319.0)	9.66 (245.4)	105 (47)	306	EHD2015	BAB2015	12	6	4	12
5	P48G11S05CUB	2 at -5%	36.14 (918.0)	12.56 (319.0)	9.66 (245.4)	110 (50)	307	EHD2020	BAB2025	18	9	6	20
7.5	P48G11S07CUB	2 at -5%	36.14 (918.0)	12.56 (319.0)	9.66 (245.4)	110 (50)	307	EHD2030	BAB2030	18	9	6	30
10	P48G11S10CUB	2 at -5%	40.85 (1037.6)	13.47 (342.1)	11.82 (300.2)	180 (82)	308	EHD2040	BAB2050	18	9	6	40
15	P48G11S15CUB	2 at -5%	43.91 (1115.3)	14.97 (380.2)	11.82 (300.2)	215 (98)	309	EHD2060	BAB2070	24	12	8	60
25	P48G11S25CUB	2 at -5%	43.37 (1101.6)	20.41 (518.4)	14.58 (370.3)	385 (175)	310	EHD2100	BAB2125	30	15	10	100
Single-Phase—600V to 120/240V													
3	P60G11S03CUB	2 at -5%	33.25 (844.6)	12.56 (319.0)	9.66 (245.4)	105 (47)	306	FDB2015	BAB2015	12	6	4	12
5	P60G11S05CUB	2 at -5%	36.14 (918.0)	12.56 (319.0)	9.66 (245.4)	110 (50)	307	FDB2020	BAB2025	18	9	6	20
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25	P60G11S25CUB	2 at -5%	43.37 (1101.6)	20.41 (518.4)	14.58 (370.3)	373 (169)	310	FDB2100	BAB2125	30	15	10	100
Three-Phase—480V to 208Y/120V													
15	P48G28T15CUB	2 at -5%	36.12 (917.4)	28.75 (730.3)	9.38 (238.3)	320 (145)	289A	EHD3040	BAB3050H	18	9	6	40
22.5	P48G28T21CUB	2 at -5%	40.88 (1038.4)	29.88 (759.0)	13.63 (346.2)	565 (257)	290A	EHD3070	BAB3070H	18	9	6	60
30	P48G28T30CUB	2 at -5%	41.88 (1063.8)	29.88 (759.0)	13.63 (346.2)	635 (288)	291A	EHD3090	BAB3100H	24	12	8	80
Three-Phase—600V to 208Y/120V													
15	P60G28T15CUB	2 at -5%	36.12 (917.4)	28.75 (730.3)	9.38 (238.3)	320 (145)	289A	FDB3030	BAB3050H	18	9	6	40
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¹ Not for construction purposes.

³ Combinations can be selected.

² Main breakers fixed only. No substitutes.

⁴ Feeder breakers not included. Use Eaton Type BAB.

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