

Fusible Panelboards from AMETEK HDR Power Systems

When fast, reliable short circuit protection is the problem, the new line of Fusible Panelboards from AMETEK HDR Power Systems is the right solution.

Introducing the new series of Fusible Panelboards (FPB) from AMETEK HDR. Designed especially for Critical Power Distribution in UPS and Inverter applications, these panelboards offer the most reliable method of ensuring that one faulted circuit will not cause any adverse affects on any other branches.

Careful coordination of the series-connected fuses and breakers guarantees that the fuse will only open under fault conditions, eliminating the possibility of "nuisance" clearing; while at the same time insuring that the breaker will open in the event of a sustained overload condition.



- Extremely fast, semi-conductor (current limiting) fuses for sub-cycle fault clearing
- Flexible configuration enables up to 30 amperes per circuit
- Blown fuse indicators
- UL Listed
- Lockable, secure door to restrict unauthorized access
- All dead-front construction
- UltraSafe fuse holder
- Suitable for solid-state load protection
- Accommodates all standard midget size fuses
- Provides both high speed branch circuit fault clearing ability and long term overcurrent protection
- Custom designs available

Service & Technical Support

Our service and technical support team is available to ensure your results through:

- Application Consultation
- Troubleshooting and Repair
- Startup Assistance
- Preventative Maintenance

AMETEK[®]
HDR POWER SYSTEMS
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Fax: 1-614-308-5506
Web: www.hdrpower.com

Fusible Panelboards from AMETEK HDR Power Systems

Available Voltage Ratings:

- 120, 1-phase, 2-wire
- 120/240, 1-phase, 3-wire
- 120/208, 3-phase, 4-wire

Available Bus Ratings:

- 100 Amperes
- 225 Amperes
- 400 Amperes

Mains Connection:

- Main lugs standard
- Main breaker available as an option

Branch Circuits:

- Series connected current limiting fuses and molded case (30 Amp) breaker; accepts 14-#4 awg wire
- Connected line to neutral—consult factory for other configurations
- 10 KAIC fault interrupting rating standard; consult factory for higher short circuit ratings
- Available with 12, 24, 36 or 42 branch circuits (12 circuits not available on 400 amp panels)
- Available fuse sizes:
 - 5, 10, 15, 20, 25, or 30 amperes; accepts #14-#6 awg wire
- Any combination of fuse sizes can be accommodated (total number of fuses can not exceed total number of branch circuits)

120 and 120/240* Rated Panels (Main Lugs)

Ampere Rating	# of Circuits	Enclosure Style	Main Input Lug Size	Weight	
				lbs.	kg
100	12	FPB1	#14-1/0	123	56
100	24	FPB2	#14-1/0	164	74
100	36	FPB2	#14-1/0	170	77
100	42	FPB3	#14-1/0	225	102
225	12	FPB1	#6-300 kcmil	124	56
225	24	FPB2	#6-300 kcmil	165	74
225	36	FPB2	#6-300 kcmil	172	78
225	42	FPB3	#6-300 kcmil	227	103
400	24	FPB2	500-750 kcmil	177	80
400	36	FPB2	500-750 kcmil	179	81
400	42	FPB3	500-750 kcmil	234	106

120 and 120/240* Rated Panels (Main Breaker)

Ampere Rating	# of Circuits	Enclosure Style	Main Input Lug Size	Weight	
				lbs.	kg
100	12	FPB1	#14-1/0	123	56
100	24	FPB2	#14-1/0	164	74
100	36	FPB2	#14-1/0	170	77
100	42	FPB3	#14-1/0	225	102
225	12	FPB1	#6-300 kcmil	124	56
225	24	FPB2	#6-300 kcmil	165	74
225	36	FPB2	#6-300 kcmil	172	78
225	42	FPB3	#6-300 kcmil	227	103
400	24	FPB2	500-750 kcmil	177	80
400	36	FPB3	500-750 kcmil	179	81
400	42	FPB4	500-750 kcmil	234	106

120/208* Rated Panels (Main Lugs)

Ampere Rating	# of Circuits	Enclosure Style	Main Input Lug Size	Weight	
				lbs.	kg
100	12	FPB1	#14-1/0	123	56
100	24	FPB2	#14-1/0	165	74
100	36	FPB2	#14-1/0	171	77
100	42	FPB3	#14-1/0	226	102
225	12	FPB1	#6-300 kcmil	125	56
225	24	FPB2	#6-300 kcmil	162	74
225	36	FPB2	#6-300 kcmil	174	78
225	42	FPB3	#6-300 kcmil	229	103
400	24	FPB2	500-750 kcmil	180	80
400	36	FPB2	500-750 kcmil	182	81
400	42	FPB3	500-750 kcmil	237	106

120/208* Rated Panels (Main Breaker)

Ampere Rating	# of Circuits	Enclosure Style	Main Input Lug Size	Weight	
				lbs.	kg
100	12	FPB1	#14-1/0	123	56
100	24	FPB2	#14-1/0	164	74
100	36	FPB2	#14-1/0	171	77
100	42	FPB3	#14-1/0	226	102
225	12	FPB1	#6-300 kcmil	125	56
225	24	FPB2	#6-300 kcmil	162	74
225	36	FPB2	#6-300 kcmil	174	78
225	42	FPB3	#6-300 kcmil	229	103
400	24	FPB2	500-750 kcmil	180	80
400	36	FPB3	500-750 kcmil	182	81
400	42	FPB4	500-750 kcmil	237	106

*Note: Panels rated 120/240 3-wire or 120/208 4-wire utilize all single-pole branch circuits. Consult the factory for 2-pole or 3-pole applications.

Enclosure Dimensions:

Style	Inches		(mm)	
	H	W x D	H	W x D
FPB1	36	28 x 5.75	(914	711 x 146)
FPB2	48	28 x 5.75	(1219	711 x 146)
FPB3	60	28 x 5.75	(1524	711 x 146)
FPB4	72	28 x 5.75	(1829	711 x 146)

The FPB series model number can be configured using the following parameters:

Voltage Rating, Ampere rating, # of branch circuits, Main connection

Model Number Structure: FPBXXX-YY-ZZZ-A;
where: XXX= amp rating; YY=# of branch circuits;
ZZZ= voltage rating; A= mains connection

Specifications subject to change without notice

FPB (Fusible Panelboards) Model Number Format:

Ampere Rating	Code	# of Branch Circuits	Code	Voltage Rating	Code	Mains Connection Code	
						Lugs	Breaker
100	100	12	12	120	120	L	B
225	225	24	24	120/240	240		
400	400	36	36	120/208	208		
		42	42				

Example: FPB100-12-240-B; 100 AMP Panel w/12 circuits, 120/240 volts, main breaker