



Powerware

Powerware® 9390 UPS Integrated Battery Cabinets

Product Focus

40–160 kVA



IBC-L



IBC-S

Eaton offers two models of Powerware battery cabinets, the IBC-S and IBC-L, for its Powerware 9390 UPS series. These cabinets line-up and match with the 9390 UPS and offer a wide range of runtimes.

Flexibility

- A variable battery bus accommodates 384V to 480V configurations, so the battery capacity can be matched to your exact runtime requirements – either a specific runtime, an extension to an existing battery runtime, or legacy battery installations.
- Daisy chain up to four (4) cabinets together for extended battery runtimes
- Integral, line-up-and-match configurations are standard
- Remote configurations available

Features

- ABM® (Advanced Battery Management) technology extends battery life and optimizes recharge time
- Top and bottom cabling entry provides installation flexibility
- CD-rated circuit breaker within each cabinet provides protection and servicing isolation
- Each circuit breaker includes:
 - Auxiliary switch for UPS sensing of circuit breaker closure
 - 48 Vdc UVR to interface with UPS for remote EPO function
- Variable battery bus enables battery capacity to be matched to exact run time requirements
- Optional remote configurations available
- Casters provided to enhance portability

Serviceability

- Front access only design enhances servicing and installation
- Modular battery tray design optimizes periodic servicing

Dimensions

- IBC-S: 21.6" w x 31.6" d x 73.7" h
- IBC-L: 42.7" w x 31.6" d x 73.7" h

Reliability

- Battery cabinets are UL 1778 listed
- Flame retardant batteries meet UL94V2 for computer room installations

Features and Benefits

- Quick disconnects between battery tray assemblies reduce battery maintenance time

- Manufacturer-supplied wiring provides plug and play capability for line-up-and-match configurations
- Removable battery tray assemblies reduce battery maintenance time
- DC-rated circuit breaker in each battery cabinet allows multiple battery strings to be serviced independently of each other, assuring backup power is always available to the UPS
- Circuit breaker features UVR trip auxiliaries for system EPO and UPS sensing of battery breaker
- Located adjacent to the internal wireway, mechanical lugs reduce installation time for remote configurations



IBC-S with door opened



IBC-L with doors opened

POWERWARE 9390 RUNTIMES*

Time Category	Battery Type	Battery Strings	Battery Cabinet	Nominal String Voltage	Runtimes: Output Power Factor Ratings	
					0.8	0.9
9390-40 kVA						
<10 min	B12	1	IBC-S	432*	7	5
10-15 min	B12	1	IBC-S	480	13	10
16 to 20 min	B17	1	IBC-S	432*	16	13
	B17	1	IBC-S	480	20	17
21-30 min	B12	2	IBC-S	432*	24	20
	B12	2	IBC-S	480	30	27
31-40 min	B27	1	IBC-L	432*	30	25
	B31	1	IBC-L	432*	34	29
41-60 min	B27	1	IBC-L	480	40	34
	B37	1	IBC-L	432*	42	35
	B37	1	IBC-L	480	56	49
>60 min	B47	1	IBC-L	432*	62	54
	B47	1	IBC-L	480	78	67
9390-50 kVA						
<10 min	B12	1	IBC-S	480	7	5
10-15 min	B17	1	IBC-S	432	10	8
16 to 20 min	B17	1	IBC-S	480	13	10
	B12	2	IBC-S	432	20	17
21-30 min	B12	2	IBC-S	480	23	20
	B27	1	IBC-L	432	26	22
31-40 min	B27	1	IBC-L	480	30	25
	B31	1	IBC-L	432	31	27
41-60 min	B37	1	IBC-L	432	37	32
	B37	1	IBC-L	480	42	36
	B47	1	IBC-L	432	52	46
>60 min	B47	1	IBC-L	480	60	51
	B27	2	IBC-L	480	69	60
9390-60 kVA						
<10 min	B14	1	IBC-S	432	8	7
10-15 min	B14	1	IBC-S	480	9	8
16 to 20 min	B12	2	IBC-S	432	16	14
	B12	2	IBC-S	480	19	16
21-30 min	B27	1	IBC-L	432	20	17
	B27	1	IBC-L	480	23	20
31-40 min	B31	1	IBC-L	432	25	21
	B37	1	IBC-L	432	30	26
	B37	1	IBC-L	480	34	29
41-60 min	B47	1	IBC-L	432	41	34
	B47	1	IBC-L	480	48	40
	B27	2	IBC-L	480	57	50
>60 min	B37	2	IBC-L	480	75	65

POWERWARE 9390 RUNTIMES* continued

Time Category	Battery Type	Battery Strings	Battery Cabinet	Nominal String Voltage	Runtimes: Output Power Factor Ratings	
					0.8	0.9
9390-80 kVA						
<10 min	B12	2	IBC-S	432*	7	5
10-15 min	B27	1	IBC-L	432*	8	6
	B12	2	IBC-S	480	13	10
16 to 20 min	B27	1	IBC-L	480	15	11
	B37	1	IBC-L	432*	16	13
21-30 min	B31	1	IBC-L	480	19	14
	B47	1	IBC-L	432*	22	18
31-40 min	B37	1	IBC-L	480	23	19
	B47	1	IBC-L	480	31	25
41-60 min	B27	2	IBC-L	480	40	34
	B37	2	IBC-L	432*	42	35
>60 min	B37	2	IBC-L	480	56	49
	B47	2	IBC-L	432*	62	54
9390-100 kVA						
10-15 min	B27	1	IBC-L	480	11	9
16 to 20 min	B31	1	IBC-L	480	13	11
	B37	1	IBC-L	480	17	15
21-30 min	B47	1	IBC-L	480	22	18
	B27	2	IBC-L	480	30	25
31-40 min	B31	2	IBC-L	480	35	30
	B37	2	IBC-L	480	42	36
41-60 min	B27	3	IBC-L	480	51	43
	B31	3	IBC-L	480	58	52
	B47	2	IBC-L	480	60	51
>60 min	B37	3	IBC-L	480	66	59
	B47	3	IBC-L	480	95	84
9390-120 kVA						
<10 min	B27	1	IBC-L	480	8	7
10-15 min	B31	1	IBC-L	480	10	8
16 to 20 min	B37	1	IBC-L	480	13	11
	B47	1	IBC-L	480	17	13
21-30 min	B27	2	IBC-L	480	23	20
31-40 min	B31	2	IBC-L	480	28	24
	B37	2	IBC-L	480	32	29
41-60 min	B47	2	IBC-L	480	48	40
	B37	3	IBC-L	480	56	49
>60 min	B47	3	IBC-L	480	77	67
9390-160 kVA						
<10 min	B37	1	IBC-L	480	8	7
10-15 min	B47	1	IBC-L	480	10	8
16 to 20 min	B27	2	IBC-L	480	15	13
	B31	2	IBC-L	480	19	16
21-30 min	B37	2	IBC-L	480	24	20
31-40 min	B47	2	IBC-L	480	31	26
	B37	3	IBC-L	480	39	34
41-60 min	B47	3	IBC-L	480	56	48
	B47	4	IBC-L	480	78	67

*Runtimes computed on 480 Vac system. 208 Vac system runtimes are longer. Please contact us for additional information.

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