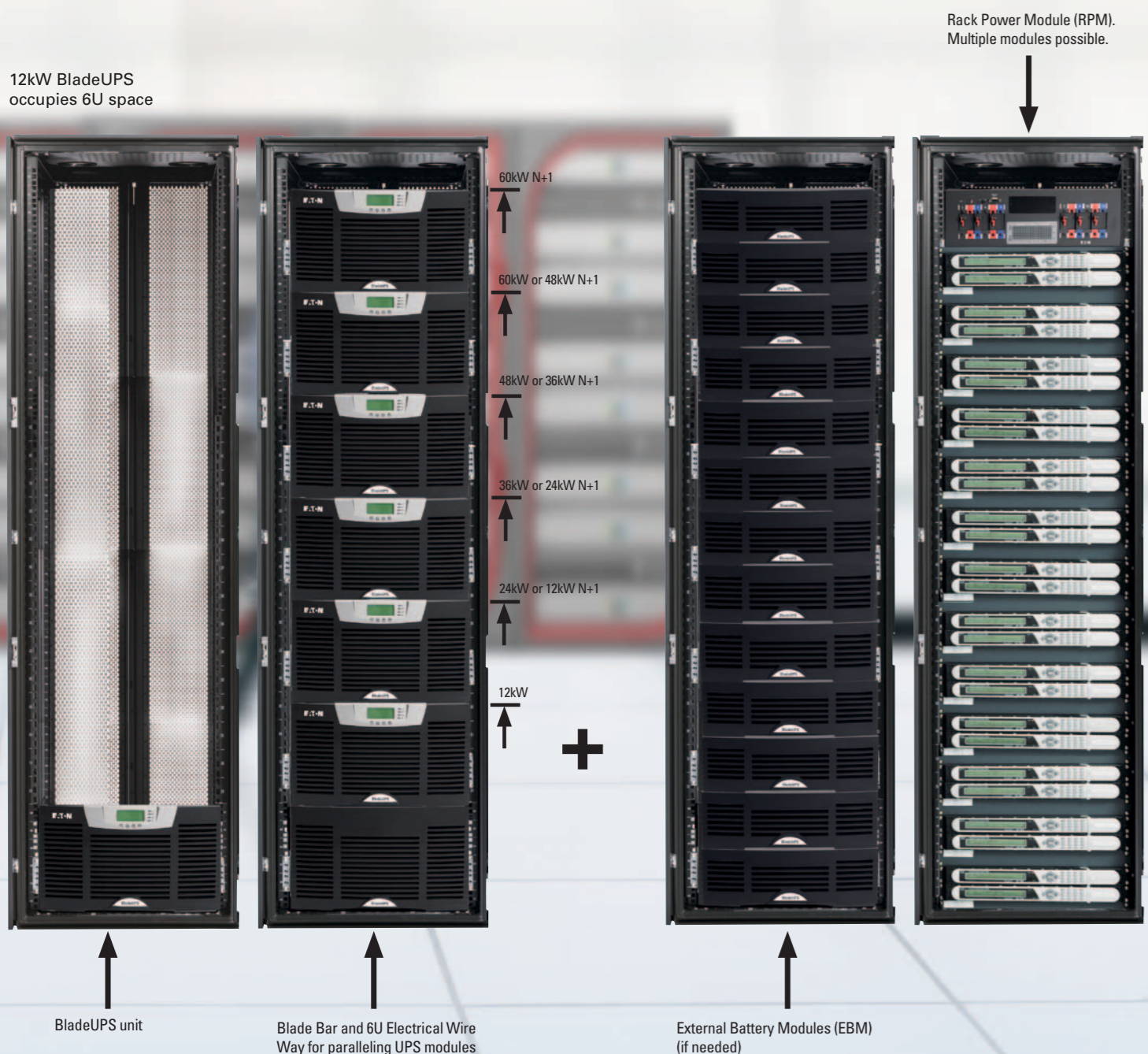


Eaton BladeUPS

BladeUPS 12–60kW UPS is a rack-mounted double-conversion UPS ideal for decentralised power protection. Modular and scalable technology enables this solution to grow as your needs develop, optimising your capital expenditure because you pay only for what you need, when you need it. Additionally BladeUPS can be purchased as part of a pre-packaged solution including rack, BladeUPS, connectivity cards and environmental monitoring device.

Build up your BladeUPS system



For assistance with your power quality needs, contact your local Eaton service and sales representatives.

www.eaton.com/powerquality

Quick Guide Eaton BladeUPS and Eaton 9155/9355 UPS.



The best possible choice in power protection for the virtualised data centre.

As the market technology leader, Eaton can help you to meet the needs of your small to medium data centre customers, whether they need a decentralised solution in the form of a rack-mounted BladeUPS, or centralised power protection through an Eaton 9155 or 9355 UPS.

Both options deliver in terms of reliability, flexibility, scalability and increased battery life. Both can work in virtualised environments, and can be monitored and managed via Eaton Intelligent Power® Manager software.



Key features of the BladeUPS and 9155/9355 UPS

Highest power protection
Double-conversion topology for the highest level of protection.

Highest reliability and extensibility
Eaton's unique Hot Sync® technology allows two or more UPSs to be paralleled for redundancy or extended capacity. The technology enables the UPS parallel system to operate without requiring any mandatory communication cable between UPS units or modules. If a UPS unit or power module fails, the faulty component can be isolated while others share the load. This eliminates the system-level single point of failure, an issue present in the load-sharing technologies used by Eaton's competitors.

Comprehensive power monitoring and management in virtualised and non-virtualised environments

Longer battery life
ABM® technology charges batteries only when necessary – preventing corrosion and prolonging battery life by up to 50%.

Intelligent Power® Manager software offers complete UPS control and monitoring via a simple and intuitive web-based interface. It also integrates seamlessly with the leading virtualisation management tool, VMware vCenter. It can even trigger vMotion to move virtual machines to other servers or sites if there is a fear of power loss, resulting in zero downtime.

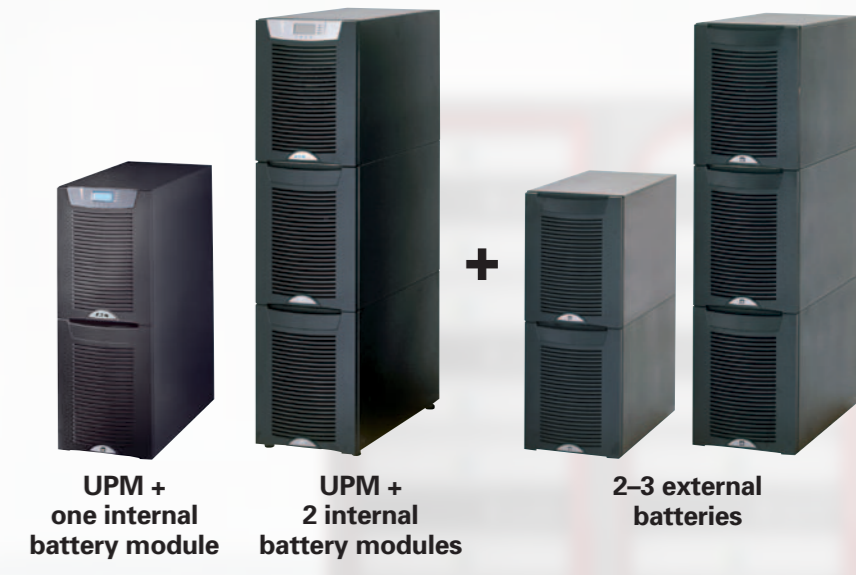
Intelligent Power® Manager also integrates with Eaton's Intelligent Power Protector software, allowing for safe and co-ordinated shutdown of servers that need to be rebooted or removed. Intelligent Power Protector supports traditional server operating systems as well as VMware ESX, Microsoft Hyper-V, Xen and KVM virtual environments and is free to download.

Eaton 9155 or 9355 UPS

Single-phase 9155 or 3-phase 9355 UPS 8–40kVA for centralised power protection is a tower solution, providing premium online backup power and scalable battery runtimes in a very small footprint, with industry-leading power density. In a compact design with internal batteries and built-in static and manual bypass switches, it also features a user-friendly LCD interface with wide range of connectivity options.

Build up your UPS 9155/9355 system

UPS 9155/9355 8–15kVA



UPS 9155/9355 20–40kVA



Choose your 9155 and 9355 UPS

9155 UPS with standard service life (3–5 years) internal batteries

Runtime	Part numbers				Dimensions and weight			
	Standard Solution (without MBS)	UPS with Integrated Maintenance bypass switch	HotSync Parallel UPS (ready configured) nX capacity or n+1 redundant (up to 4 in parallel)	Number of internal battery modules/strings	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)

Single phase (in/out)									
8kVA	15	1022533	1022548	1024153	1	1214	305	702	275
8kVA	33	1022535	1022550	1024157	2	1214	305	702	275
10kVA	10	1022536	1022551	1024161	1	1214	305	702	275
10kVA	25	1022538	1022553	1024165	2	1214	305	702	275

Three phase in/single phase out									
8kVA	15	1022481	1022508	1024209	1	817	305	702	165
8kVA	33	1022483	1022510	1024213	2	1214	305	702	275
10kVA	10	1022484	1022511	1024217	1	817	305	702	165
10kVA	25	1022486	1022513	1024221	2	1214	305	702	275
12kVA	8	1022487	1022514	1024225	1	817	305	702	165
12kVA	20	1022489	1022516	1024229	2	1214	305	702	275
15kVA	5	1022490	1022517	1024233	1	817	305	702	165
15kVA	15	1022492	1022519	1024237	2	1214	305	702	275

Three phase in/single phase out									
20kVA	5	1026610	1026598	1026626	1	1745	581	795	318
20kVA	13	1026611	1026599	1026627	2	1745	581	795	418
20kVA	22	1026612	1026600	1026628	3	1745	581	795	518
20kVA	31	1026613	1026601	1026629	4	1745	581	795	618
30kVA	7	1026614	1026602	1026630	2	1745	581	795	418
30kVA	13	1026615	1026603	1026631	3	1745	581	795	518
30kVA	20	1026616	1026604	1026632	4	1745	581	795	618

9355 UPS with standard service life (3–5 years) internal batteries

Runtime	Part numbers				Dimensions and weight			
	Standard Solution (without MBS)	UPS with Integrated Maintenance bypass switch	HotSync Parallel UPS (ready configured) nX capacity or n+1 redundant (up to 4 in parallel)	Number of integrated battery modules/strings	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)

Single phase (in/out)									
8kVA	15	1023411	1023397	1024313	1	817	305	702	165
8kVA	33	1023412	1023398	1024317	2	1214	305	702	275
10kVA	10	1023413	1023399	1024321	1	817	305	702	165
10kVA	25	1023414	1023400	1024325	2	1214	305	702	275
12kVA	8	1023415	1023401	1024329	1	817	305	702	165
12kVA	20	1023416	1023402	1024333	2	1214	305	702	275
15kVA	5	1023417	1023403	1024337	1	817	305	702	165
15kVA	15	1023418	1023404	1024341	2	1214	305	702	275

Three phase in/single phase out									
20kVA	5	1025074	1025061	1025669	1	1745	581	795	318
20kVA	13	1025075	1025062	1025670	2	1745	581	795	418
20kVA	22	1025076	1025063	1025671	3	1745	581	795	518
20kVA	31	1025077	1025064	1025672	4	1745	581	795	618
30kVA	7	1025078	1025065	1025673	2	1745	581	795	418
30kVA	13	1025079	1025066	1025674	3	1745	581	795	518
30kVA	20	1025080	1025067	1025675	4	1745	581	795	618
40kVA	8	1025799	1025795	1025805	3	1745	581	795	518
40kVA	12	1025800	1025796	1025806	4	1745	581	795	618

All UPS and battery cabinets also available with long life batteries.
 UPS with integrated output transformer or external transformer available on request.
 Accessories, including external maintenance bypass switches etc, available on request.
 Further technical specifications and runtime tables available on request.
 All UPSs are also available without internal batteries.
 Please contact your Eaton representative if you need longer run time for 20–40kVA UPS.

External battery solutions for extended battery runtimes for 8–15kVA UPS systems

Battery type	Number of battery modules	Part number	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
Standard battery	2	1022561	305	699	817	195
	3	1022562	305	699	1214	310
	2	1022564	305	699	817	195
Long life battery	3	1022565	305	699	1214	310
	2	1022567	305	699	817	195
Empty cabinet – No batteries included	2	1022568	305	699	1214	310
	3	1022568	305	699	1214	310

External battery solutions for extended battery runtimes for 20–40kVA UPS systems

Battery type	Number of battery modules	Part number	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
Long life (24 Ah 12V)	1	1025169**	494	758	1684	510 kg
Long life (24 Ah 12V)	2	1025170	494	758	1684	870 kg
Long life (110 WPC 12V)	1	1026072**	494	758	1684	520 kg
Long life (110 WPC 12V)	2	1026073	494	758	1684	890 kg
Empty cabinet – No batteries included	NA	1025168*	494	758	1684	150kg

* Includes cables and shelves for two battery strings (allowing addition of one 36 block battery string later).
 ** Includes cables and shelves for one battery string.

8-15 kVA UPS run time with external battery cabinets

Standard battery	Long life battery	Battery type	Total qty of battery modules	UPS load with typical 0.7 Output Power Factor														
				3kVA	4kVA	5kVA	6kVA	7kVA	8kVA	9kVA	10kVA	11kVA	12kVA	13kVA	14kVA	15kVA		
UPS with internal batteries (1 or 2 battery modules)	Standard	1	41	30	25	20	16	15	12	10	9	8	7	6	5	min		
UPS with internal batteries (1 or 2 battery modules)	Standard	3	159	115	85	69	58	52	45	39	33	28	26	24	21	min		
	Standard	4	200	163	131	100	84	73	61	56	51	46	41	37	32	min		
+ External matching battery cabinet (2 or 3 extra battery modules)	Standard	6	316	230	178	168	148	127	107	89	81	74	66	59	56	min		
	Standard	7	387	289	233	196	171	153	134	117	100	87	80	75	68	min		
External matching battery cabinet (2 or 3 extra battery modules)	Standard	8	448	336	271	226	196	171	153	141	124	109	94	86	81	min		
	Standard	9	>8h	382	305	255	223	195	173	159	144	130	115	104	91	min		
External matching battery cabinet (2 or 3 extra battery modules)	Standard	10	>8h	428	344	286	247	219	193	174	161	147	134	123	111	min		
	Standard	11	>8h	475	382	317	276	239	214	193	174	162	150	140	127	min		

Note:
 The specifications are subject to change without a notice.
 = Min. 4 Amps battery charger current limit setting required (Ref. User's Manual and LCD user settings menu).
 The battery backup table is given with end voltage 1.75VPC and temperature +25°C.
 The batteries are fully charged and measured after min. (5) full discharge cycles.

Choose your BladeUPS

	Load							
	# 42U Racks	4kW	8kW	12kW	24kW	36kW	48kW	60kW
1 x BladeUPS 12kVA Internal battery	1	23	9	4.8				
+1 EBM	1	46	21	12				
+2 EBM	1	69	32	20				
+3 EBM	1	94	43	27				
+4 EBM	1	120	54	34				
2 x BladeUPS 12kVA N+1 Internal battery	1	45	23	13				
+1 EBM	1	95	46	30				
+2 EBM	1	146	69	44				
+3 EBM	1	202	94	59				
+4 EBM	2	262	120	76				
3 x BladeUPS 12kVA N+1 Internal battery	1	35	23	9				
+1 EBM	1	73	46	21				
+2 EBM	2	111	69	32				
+3 EBM	2	151	94	43				
+4 EBM	2	196	120	54				
4 x BladeUPS 12kVA N+1 Internal battery	1	32	13	7.7				
+1 EBM	2	66	30	18				
+2 EBM	2	100	44	28				
+3 EBM	2	136	59	37				
+4 EBM	2	176	76	47				
5 x BladeUPS 12kVA N+1 Internal battery	1	19	11	6.9				
+1 EBM	2	39	25	17				
+2 EBM	2	59	37	26				
+3 EBM	2	80	50	34				
+4 EBM	3	102	63	44				
6 x BladeUPS 12kVA N+1 Internal battery	2	23	13	9				
+1 EBM	2	46	30	21				
+2 EBM	2	69	44	32				
+3 EBM	3	94	59	43				
+4 EBM	3	120	76	54				



Product Specifications					
Model type	Input	Output	Height	Rack mount	
Eaton BladeUPS					
ZC1224401100000	Single BladeUPS Unit (for single installation) 12kW 400V + SNMP + internal batteries + bypass	IEC 309-32A 5W	IEC 309-32A 5W + RPM	6U	y
ZC122P060100000	Parallel BladeUPS unit (for multiple BladeUPS configurations) + internal batteries + bypass	Parallel Cord	Parallel Cord + RPM	6U	y
Extra batteries and Maintenance Bypass					
103005747-6591	Extended battery module	BladeUPS cord	BladeUPS cord	3U	y
103007247-5591	External Battery Interconnect – connect multiple batteries from 3rd party supplier – plugs directly into a BladeUPS module	BladeUPS cord	to 3rd party batteries	-	-
103007415-5400	BladeUPS 60kW Rack Maintenance Bypass Module, 6U high, 400V	hardwired	hardwired	6U	y
BladeUPS housing and paralleling					
1028126	Pre-configured 42U rack enclosure for Parallel systems (including busbar and wireway) – just add parallel BladeUPS modules	hardwired	hardwired	42U	
1029182	Busbar and wireway for parallel BladeUPS systems. Designed to mount into an empty 42U IT rack for BOTTOM power feeds	hardwired	hardwired	42U	y
1030505	Busbar and wireway for parallel BladeUPS systems. Designed to mount into an empty 42U IT rack for TOP power feeds	hardwired	hardwired	42U	y
BladeUPS Power Distribution					
Y032420CD100000	Rack power module 3m lead	BladeUPS, 3m lead	12xC13 + 6xC19 out	3U	y
Y032440CD100000	Rack power module 6m lead	BladeUPS, 6m lead	12xC13 + 6xC19 out	3U	y
Y032440DD100000	Rack power module 6m lead	BladeUPS, 6m lead	12xC19 out	3U	y
PW107BAUOC08	Basic ePDU for further power distribution (use in conjunction with RPM)	Dual 16A C20 in	24xC13+ 8xC19	42U	y
PW107MIUOC08	Monitored ePDU for further power distribution (use in conjunction with RPM)	Dual 16A C20 in	24xC13+ 8xC19	42U	y
Convert existing BladeUPS					
103006474-441	Convert single BladeUPS to a parallel BladeUPS	Parallel Cord	Parallel Cord	-	-
1029183	Convert a parallel BladeUPS to a single BladeUPS	IEC 309-32A 5W	IEC 309-32A 5W	-	-