Eaton BladeUPS

12 - 60 kW







An Eaton Green Solution

Due to outstanding green performance, Eaton BladeUPS has earned the "An Eaton Green Solution"™ label

Advanced power protection for:

- · Small, medium and large data centres
- Blade servers
- · Network environment
- · PBX and VoIP equipment
- · Networking applications: IPTV, security
- Storage devices: RAID, SAN



Designed for the data centre – to ensure maximum uptime and maximum efficiency

Simply Scalable.

- Eaton BladeUPS provides scalable double-conversion backup power
- BladeUPS is designed for the data centre -to work in harmony with your servers and IT equipment to ensure maximum uptime and maximum efficiency
- Scalable architecture enables you to design, scale and grow your data centre as your demand grows.
- BladeUPS provides from 12kW to 60kW N+1 mounted in a single IT rack enclosure, with multiple power distribution options
- BladeUPS delivers an industry-leading 98% efficiency across the operating range, resulting in cooler operating conditions and less heat dissipation

Very Flexible.

- BladeUPS is extremely flexible and supports multiple configurations including power protection in each rack, centralised protection, zone protection or hybrid as required
- If your needs change or need to move your IT equipment, simply redeploy and reuse BladeUPS as single of parallel units elsewhere
- Multiple external batteries can be added to increase runtime
- BladeUPS has multiple power distribution options including the Rack Power Module (RPM), ePDUs or hardwired. The 3U RPM delivers single-phase power and can be deployed in the same rack as the UPS and IT equipment.

Highly Efficient

- Optimize your operational expenditure Latest high efficiency technologies provide 98% efficiency, with 65% less heat dissipation to minimise your operational costs and reduce your carbon footprint
- A 60kW N+1 solution could save over €20,000 in 5 years in energy costs alone
- The small footprint of BladeUPS allows extra space for IT equipment in the rack and data centre.
- Due to the low heat dissipation, air conditioning requirements are reduced by up to a third and BladeUPS can be located close to IT equipment.
- Utilises Eaton's Advanced Battery Management system to prolong battery life by up to 50%

Simple to choose

Choose a pre configured solution, or configure yourself



Eaton BladeUPS

TECHNICAL SPECIFICATIONS

General	
Power Rating	12 kW per UPS module
	·
Efficiency Heat Dissipation	Up to 98,6 per cent 371W/1266 BTU/hr at 100% rated load
near Dissipation	Fan cooled, temperature microprocessor
Cooling	monitored; front air entry, rear exhaust
Audible Noise,	
Normal Operation	<60 dBA at 1 meter
Altitude Before	1000 meters (3300 ft ASL)
Derating	1000 motoro (0000 ft/feL)
Input	
Input Voltage	400 Vac
Voltage Range	400V: 311 to 519 Vac, phase to phase
Frequency Range	50 or 60 Hz, ±5 Hz
Input Current	<5% with IT loads (PFC power supplies)
Distortion	
Input Power Factor	>0.99 with IT loads (PFC power supplies)
Inrush Current	Load dependent
Input Requirements	Three-phase, four-wire + ground
Bypass Source	Same as input (single feed)
Generator Compatibility	Fast sync slew rate for generator synchronisation
Output	
Rated Output Voltage	400V: 180 to 240 Vac, Ph to N
Output Configuration	Three-phase, four-wire + ground
Output Frequency	
(nominal)	50 or 60 Hz auto-detection on startup
Frequency	0.1 He free supplies
Regulation	0.1 Hz free running
Load Power	Lagging: 0.7
Factor Range	Leading: 0.9
Total Output Voltage Distortion	<3% with IT loads (PFC power supplies) <5% non-linear or non-PFC power supplies
-	C5 /6 Holl-lifted of Holl-FTC power supplies
Battery	VDI A A CAA
Battery Type	VRLA - AGM
Battery Runtime (Internal)	13 minutes at 50 per cent load 4.7 minutes at 100 per cent load
Battery String	
Voltage	240 Vdc
	Automatic battery test standard
Battery Test	(remote scheduling capable)
Battery Recharge	Manual battery test from front display
Profile	ABM three-stage charging technology
Battery Cut-off	Variable from 1.07 VDO 1. F
Voltage	Variable from 1.67 VPC at <5 min. runtime
Battery Low	Announced with alarm
Condition	, amounood waar alami
Extended Battery	Yes, add up to four additional 3U battery enclosures
Capability	(~34 min at 100 per cent load, >1 hour at 50 per cent
	load)
Physical	
Dimensions (HxWxD)	261 (611) v 442 v 660
UPS	261 (6U) x 442 x 660 mm
Note:	
Total Chassis Weight without batteries or	46 kg
electronics	. ^8
Total Chassis Weight	140 kg
with batteries or electronics	140 kg
Total UPS Weight	01.1
without Batteries	61 kg
Total UPS Weight	140 kg
with Batteries	
EBM Weight	77 kg

Communications and U	ser Interface	
Software	Upo III III O C	
Compatibility	UPS ships with Software Suite CD	
X-Slot Bays	Two available for the cards listed below	
	Two lines by 20 characters	
Control Panel LCD	Four menu-driven interface buttons	
	Four status at a glance LEDs	
Multi-language	English standard; 20 languages available	
Configuration	User capable, firmware auto configures	
Changes		
Dry Contact Inputs	Two, user-configurable	
Dry Contact Outputs	One, user-configurable	
Service		
Installation	User capable, located in the IT racks	
Preventative	User capable, optional factory service available	
Maintenance	Coor Supuble, Spitolial lastery Scrives available	
Corrective Maintenance	User capable, optional factory service available	
Walltellance	Hot-swappable batteries	
0 1 1333	Hot-swappable electronics module	
Serviceability	Automated internal maintenance bypass	
Features	Auto-configure firmware	
	Flash firmware upgradeable	
Certifications		
EMI	IEC 62040	
Surge Protection	ANSI C62.41, Cat B-3	
Hazardous	·	
Materials (RoHS)	EU Directive 2002/95/EC Category 3 (4 of 5)	
Warranty		
Standard	12 months	
Warranty Repair	Factory depot repair or replace	
Options and Accessorie		
Detachable input cord	·	
	t aard aaaambly	
Detachable input/output cord assembly Detachable paralleling cord assembly		
Detachable paralleling cord assembly		
Extended Battery Modules (EBMs)		
3U output sub-distribution module		
OU to 3U rack power strips		
60 kW BladeUPS Paralle	el Bar	
Four-post rail kit		
Optional X-Slot Commu	nication Cards	
Application	Card	
Web SNMP	ConnectUPS-X Web/SNMP Card	
Environment Monitoring	EMP Environmental Monitoring Probe	
	(requires Web/SNMP card)	
IBM eServer™ (i5™, iSeries™,	Polov Interface Cord	
or AS/400), industrial	Relay Interface Card	
Parallel	Hot Sync Card	
Remote LCD Display	ViewUPS-X	
Recommended ePDU:	VIGWOT 6 X	
necollillellueu er DO.	PDM Pook Power Module (PladeLIPS in 12vC12)	
Y032440CD100000	RPM - Rack Power Module (BladeUPS in, 12xC13 + 6xC19 out) 20 ft lead	
PW107BA0UC08	ePDU - Basic (0U, Dual 16A C20 in, 24xC13+ 8xC19 out)	
	use in addition to RPM	
DW/107M1011000	ePDU - IP Monitored (0U, Dual 16A C20 in, 24xC13+	
PW107MI0UC08	8xC19 out) use in addition to RPM	