

# Reference Datasheet

## Eaton EX 700

### Pulsar Series



Product	Ref	Description
Eaton EX 700	68180	On-line double conversion UPS with automatic bypass, 700VA/630W, mini-tower form factor, multilingual LCD display, 6 IEC 10A outlets including 3 Powershare, hot swappable batteries, power management software, USB and Serial port + contacts, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	600*293*368	15,2 kg	1 product / carton	3553340681806
Shipping pallet	900*1200*890	198,4 kg	12 cartons / pallet	

Packaging content
1 UPS, 2 IEC output cables, Solution-Pac CD, 1 USB cable, 1 DB9/DB9 serial cable, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	700 VA / 630 W
Dimensions (H x W x D*)/Weight	242 x 153 x 440 mm / 12,5 kg
Output connections	6 IEC C13 (10A) outlets , including 3 Powershare outlets (2 groups : 2 + 1 IEC)
Input voltage range	100/120/160 to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240/250 V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software)
User interface	3 LEDs + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 & contacts port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 700	15 min	11 min

Key selling points
<ul style="list-style-type: none"> <li>✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system</li> <li>✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)</li> <li>✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption</li> <li>✓ Individual management of the UPS outlets (Powershare)</li> <li>✓ Easy to operate : multilingual LCD display</li> <li>✓ Hot-swappable batteries</li> <li>✓ Multiple supervision modes : USB/Serial +contacts ports, slot for optional management card (SNMP/Web, contacts or ModBus)</li> <li>✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)</li> <li>✓ Connector for Remote power off or remote ON/OFF function</li> </ul>

Options	References
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available mid 2007)
Management Card Contacts/Serial	66104
Eaton Warranty + (3 years warranty)	66814

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 1000

### Pulsar Series



Product	Ref	Description
Eaton EX 1000	68181	On-line double conversion UPS with automatic bypass, 1000VA/900W, mini-tower form factor, multilingual LCD display, 6 IEC 10A outlets including 3 Powershare, hot swappable batteries, power management software, USB and Serial port + contacts, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	600*293*368	17,9 kg	1 product / carton	3553340681813
Shipping pallet	900*1200*890	230,8 kg	12 cartons / pallet	

Packaging content
1 UPS, 2 IEC output cables, Solution-Pac CD, 1 USB cable, 1 DB9/DB9 serial cable, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	1000 VA / 900 W
Dimensions (H x W x D*)/Weight	242 x 153 x 440 mm / 15 kg
Output connections	6 IEC C13 (10A) outlets , including 3 Powershare outlets (2 groups : 2 + 1 IEC)
Input voltage range	100/120/160 to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240/250 V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDS + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 & contacts port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 1000	18 min	13 min
Eaton EX 1000 + 1 EXB	80 min	60 min
Eaton EX 1000 + 4 EXB	300 min	230 min

Key selling points
<ul style="list-style-type: none"> <li>✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system</li> <li>✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)</li> <li>✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption</li> <li>✓ Individual management of the UPS outlets (Powershare)</li> <li>✓ Easy to operate : multilingual LCD display</li> <li>✓ Hot-swappable batteries</li> <li>✓ Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection</li> <li>✓ Multiple supervision modes : USB/Serial +contacts ports, slot for optional management card (SNMP/Web, contacts or ModBus)</li> <li>✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)</li> <li>✓ Connector for Remote power off or remote ON/OFF function</li> </ul>

Options	References
Eaton EX EXB	68185
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available mid 2007)
Management Card Contacts/Serial	66104
Eaton Warranty + (3 years warranty)	66814

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 1000 RT2U

### Pulsar Series



Product	Ref	Description
Eaton EX 1000 RT2U	68182	On-line double conversion UPS with automatic bypass, 1000VA/900W, Rack/Tower versatile, multilingual LCD display, 6 IEC 10A outlets including 3 Powershare, hot swappable batteries, power management software, USB and Serial port + contacts, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	625*525*232	25 kg	1 product / carton	3553340681820
Shipping pallet	1050*1250*1090	416 kg	16 cartons / pallet	

Packaging content
1 UPS, 2 IEC output cables, cable locking system, Solution-Pac CD, 1 USB cable, 1 DB9/DB9 serial cable, rack-mounting kit, tower stands, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	1000 VA / 900 W
Dimensions (H x W x D*)/Weight	86.5 x 438 x 483 mm / 18 kg
Output connections	6 IEC C13 (10A) outlets , including 3 Powershare outlets (2 groups : 2 + 1 IEC)
Input voltage range	100/120/160 to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240/250 V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDS + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 & contacts port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 1000 RT2U	18 min	13 min
Eaton EX 1000 RT2U + 1 EXB	80 min	60 min
Eaton EX 1000 RT2U + 4 EXB	300 min	230 min

Key selling points
<ul style="list-style-type: none"> <li>✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system</li> <li>✓ Flexible form factor : 2U Rack, short depth (compatible with 600 mm racks), tower convertible</li> <li>✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)</li> <li>✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption</li> <li>✓ Individual management of the UPS outlets (Powershare)</li> <li>✓ Easy to operate : multilingual LCD display</li> <li>✓ Hot-swappable batteries</li> <li>✓ Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Pulsar EXB), with automatic detection</li> <li>✓ Multiple supervision modes : USB/Serial +contacts ports, slot for optional management card (SNMP/Web, contacts or ModBus)</li> <li>✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)</li> <li>✓ Connector for Remote power off or remote ON/OFF function</li> </ul>

Options	References
Eaton EX EXB RT2U	68186
Eaton HotSwap MBP	FR : 68430 DIN : 68431 BS : 68432 IEC : 68433 HW : 68434
10A power cords for HotSwap MBP	FR/DIN = 68439 , BS = 68440
Eaton FlexPDU	FR : 68435 DIN : 68436 BS : 68437 IEC : 68438
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available mid 2007)
Management Card Contacts/Serial	66104
Eaton Warranty + (3 years warranty)	66814

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 1500

### Pulsar Series



Product	Ref	Description
Eaton EX 1500	68183	On-line double conversion UPS with automatic bypass, 1000VA/900W, mini-tower form factor, multilingual LCD display, 6 IEC 10A outlets including 3 Powershare, hot swappable batteries, power management software, USB and Serial port + contacts, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	600*293*368	20,9 kg	1 product / carton	3553340681837
Shipping pallet	900*1200*890	266,8 kg	12 cartons / pallet	

Packaging content
1 UPS, 2 IEC output cables, Solution-Pac CD, 1 USB cable, 1 DB9/DB9 serial cable, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	1500 VA / 1350 W
Dimensions (H x W x D*)/Weight	242 x 153 x 490 mm / 18 kg
Output connections	6 IEC C13 (10A) outlets, including 3 Powershare outlets (2 groups : 2 + 1 IEC)
Input voltage range	100/120/160 to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240/250 V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDs + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 & contacts port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (according country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical Runtime at 50%	Typical Runtime at 70%
Eaton EX 1500	15 min	10 min
Eaton EX 1500 + 1 EXB	80 min	60 min
Eaton EX 1500 + 4 EXB	180 min	140 min

Key selling points	
✓	The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system
✓	Compatibility with power factor corrected power supplies (ratio W/VA=0,9)
✓	Wide input voltage tolerance, with automatic optimisation according to real power consumption
✓	Individual management of the UPS outlets (Powershare)
✓	Easy to operate : multilingual LCD display
✓	Hot-swappable batteries
✓	Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection
✓	Multiple supervision modes : USB/Serial +contacts ports, slot for optional management card (SNMP/Web, contacts or ModBus)
✓	Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)
✓	Connector for Remote power off or remote ON/OFF function

Options	Référence
Eaton EX EXB	68185
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available mid 2007)
Management Card Contacts/Serial	66104
Eaton Warranty + (3 years warranty)	66814

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 1500 RT2U

### Pulsar Series



Product	Ref	Description
Eaton EX 1500 RT2U	68184	On-line double conversion UPS with automatic bypass, 1500VA/1350W, Rack/Tower versatile, multilingual LCD display, 6 IEC 10A outlets including 3 Powershare, hot swappable batteries, power management software, USB and Serial port + contacts, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	625*525*232	27,3 kg	1 product / carton	3553340681844
Shipping pallet	1050*1250*1090	452,8 kg	16 cartons / pallet	

#### Packaging content

1 UPS, 2 IEC output cables, cable locking system, Solution-Pac CD, 1 USB cable, 1 DB9/DB9 serial cable, rack-mounting kit, tower stands, user manual, quick start guide, warranty card, safety instructions

#### Technical specifications

Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	1500 VA / 1350 W
Dimensions (H x W x D*)/Weight	86.5 x 438 x 483 mm / 20.5 kg
Output connections	6 IEC C13 (10A) outlets , including 3 Powershare outlets (2 groups : 2 + 1 IEC)
Input voltage range	100/120/160 to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240/250 V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDS + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 & contacts port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 1500 RT2U	15 min	10 min
Eaton EX 1500 RT2U + 1 EXB	60 min	40 min
Eaton EX 1500 RT2U + 4 EXB	180 min	140 min

#### Key selling points

- ✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system
- ✓ Flexible form factor : 2U Rack, short depth (compatible with 600 mm racks), tower convertible
- ✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)
- ✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption
- ✓ Individual management of the UPS outlets (Powershare)
- ✓ Easy to operate : multilingual LCD display
- ✓ Hot-swappable batteries
- ✓ Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection
- ✓ Multiple supervision modes : USB/Serial +contacts ports, slot for optional management card (SNMP/Web, contacts or ModBus)
- ✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)
- ✓ Connector for Remote power off or remote ON/OFF function

Options	References
Eaton EX EXB RT2U	68186
Eaton HotSwap MBP	FR : 68430 DIN : 68431 BS : 68432 IEC : 68433 HW : 68434
10A power cords for HotSwap MBP	FR/DIN = 68439 , BS = 68440
Eaton FlexPDU	FR : 68435 DIN : 68436 BS : 68437 IEC : 68438
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available mid 2007)
Management Card Contacts/Serial	66104
Eaton Warranty + (3 years warranty)	66814

\*H x W x D = Height x Width x Depth



# Reference Datasheet

## Eaton EX EXB 1000/1500

### Pulsar Series



Product	Ref	Description
Eaton EX EXB 1000/1500	68185	Battery extension cabinet for Eaton EX 1000/1500, mini tower form factor, automatic detection by the UPS

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	600*293*368	23 kg	1 product / carton	3553340681851
Shipping pallet	900 x 1200 x 890	292 kg	12 cartons / pallet	

Packaging content
1 Battery cabinet, 1 battery cable with com cable for automatic detection, EXB user manual

Technical specifications	
Dimensions (H x W x D*)/Weight	242 x 153 x 440 mm / 21 kg
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Typical runtime	runtime with 1 EXB	runtime with 4 EXB
Eaton EX 1000 @ 50% load	80 min	300 min
Eaton EX 1000 @ 70% load	60 min	230 min
Eaton EX 1500 @ 50% load	60 min	180 min
Eaton EX 1500 @ 70% load	40 min	140 min

Options	References
Eaton Warranty + (3 years warranty)	66813

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX EXB RT2U 1000/1500

### Pulsar Series



Product	Ref	Description
Eaton EX EXB RT2U 1000/1500	68186	Battery extension cabinet for Eaton EX RT2U 1000/1500, 2U Rack/Tower versatile, rack and tower mounting accessories included, automatic detection by the UPS

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	622 x 292 x 386	22,2 kg	1 product / carton	3553340681868
Shipping pallet	800 x 1200 x 896	197,3 kg	8 cartons / pallet	

Packaging content
1 RT2U battery cabinet, 1 battery cable with com cable for automatic detection, rack-mounting kit, link plate for tower mounting, EXB user manual

Technical specifications	
Dimensions (H x W x D*)/Weight	86,5 x 438 x 483 mm / 24,5 kg
Warranty	2 years – Optional 3 years warranty with Warranty+ (according country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Typical runtime	Runtime with 1 EXB	Runtime with 4 EXB
Eaton EX 1000 RT2U @ 50% load	80 min	300 min
Eaton EX 1000 RT2U @ 70% load	60 min	230 min
Eaton EX 1500 RT2U @ 50% load	60 min	180 min
Eaton EX 1500 RT2U @ 70% load	40 min	140 min

Options	References
Eaton Warranty + (3 years warranty)	66813

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 2200 RT

### Pulsar Series



Product	Ref	Description
Eaton EX 2200 RT	68400	On-line double conversion UPS with automatic bypass, 2200VA/1980W, modular (2N or N+1) with ModularEasy kit, versatile Tower/Rack3U short depth, multilingual LCD display, 8 IEC 10A outlets including 4 Powershare + 1 IEC 16A, hot swappable batteries, power management software, USB and Serial port, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	767*593*279	34 kg	1 product / carton	3553340684005
Shipping pallet	1200*1000*997	225 kg	8 cartons / pallet	

Packaging content
1 Rack/Tower versatile UPS, 1 16A input power cord, 2 IEC10A output cords, cable locking system, Solution-Pac CD, 1 USB cable, 1 serial cable RJ45/DB9, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	2200 VA / 1980 W
Dimensions (H x W x D*)/Weight	440 x 131 x 490 mm / 30 kg
Output connections	8 IEC C13 (10A) + 1 IEC C19 (16A) outlet, including 2 groups of 2 IEC 10A Powershare outlets
Input voltage range	100/120/160/184V to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDs + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 2200 RT	17 min	12 min
Eaton EX 2200 RT + 1 EXB	85 min	60 min
Eaton EX 2200 RT + 4 EXB	285 min	200 min

Key selling points
<ul style="list-style-type: none"> <li>✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system</li> <li>✓ Modularity with ModularEasy kit : N+1 redundancy or 2N power extension (4400 VA / 3960W)</li> <li>✓ Flexible RT form factor : convertible Tower / 3U Rack short depth (compatible with 600 mm racks)</li> <li>✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)</li> <li>✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption</li> <li>✓ Individual management of the UPS outlets (Powershare)</li> <li>✓ Easy to operate : multilingual LCD display</li> <li>✓ Hot-swappable batteries</li> <li>✓ Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection</li> <li>✓ Multiple supervision modes : USB/Serial ports, slot for optional management card (SNMP/Web, contacts or ModBus)</li> <li>✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)</li> <li>✓ Connector for Remote power off or remote ON/OFF function</li> </ul>

Options	References
Eaton EX EXB	68405
Eaton EX rack kit 2U/3U	68441
Eaton HotSwap MBP	FR : 68430 DIN : 68431 BS : 68432 IEC : 68433 HW : 68434
Eaton FlexPDU	FR : 68435 DIN : 68436 BS : 68437 IEC : 68438
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available end of 2006)
Management Card Contacts/Serial	66104
Eaton EX ModularEasy kit (for parallel operation of 2 Eaton EX)	68418
Eaton Warranty + (3 years warranty)	66814

\*H x W x D = Height x Width x Depth



# Reference Datasheet

## Eaton EX 2200 RT3U HotSwap

### Pulsar Series



Product	Ref	Description
Eaton EX 2200 RT3U HotSwap	FR : 68406 DIN : 68407 BS : 68408 IEC : 68409 HW : 68410	On-line double conversion UPS with automatic bypass + external HotSwap MBP Maintenance ByPass module with local outlets or terminal blocks, 2200VA/1980W, modular (2N or N+1) with ModularEasy kit, versatile Tower/Rack3U short depth, rack-mounting kit included, multilingual LCD display, 8 IEC 10A outlets including 4 Powershare + 1 IEC 16A, hot swappable batteries, power management software, USB and Serial port, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton
Individual carton	767*593*279	34 kg	1 product / carton
Shipping pallet	1200*1000*997	225 kg	6 cartons / pallet
<b>Barcode (EAN13) : FR : 3553340684067 DIN : 3553340684074 BS : 3553340684081 IEC : 3553340684098 HW : 3553340684104</b>			

Packaging content
1 Rack/Tower versatile UPS with rack kit, 1 16A input power cord, 1 HotSwap MBP with cords, 2 IEC10A output cords, cable locking system, Solution-Pac CD, 1 USB cable + 1 Serial RJ45/DB9, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	2200 VA / 1980 W
Dimensions (H x W x D*)/Weight	440 x 131 x 490 mm / 30 kg
Output connections	UPS : 8 IEC C13(10A)+1 IEC C19(16A) outlet, including 2 groups of 2 IEC10A Powershare outlets HotSwap MBP : 4 FR/DIN outlets or 3 BS ou 6 IEC10A or terminal blocks (HW model)
Input voltage range	100/120/160/184V to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDs + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 2200 RT3U HotSwap	17 min	12 min
Eaton EX 2200 RT3U HotSwap + 1 EXB	85 min	60 min
Eaton EX 2200 RT3U HotSwap + 4 EXB	285 min	200 min

Key selling points
<ul style="list-style-type: none"> <li>✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system</li> <li>✓ High availability thanks to HotSwap MBP (external bypass module with local outlets or hard-wired)</li> <li>✓ Modularity with ModularEasy kit : N+1 redundancy or 2N power extension (4400 VA / 3960W)</li> <li>✓ Flexible RT form factor : convertible Tower / 3U Rack short depth (compatible with 600 mm racks)</li> <li>✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)</li> <li>✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption</li> <li>✓ Individual management of the UPS outlets (Powershare)</li> <li>✓ Easy to operate : multilingual LCD display</li> <li>✓ Hot-swappable batteries</li> <li>✓ Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection</li> <li>✓ Multiple supervision modes : USB/Serial ports, slot for optional management card (SNMP/Web, contacts or ModBus)</li> <li>✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)</li> <li>✓ Connector for Remote power off or remote ON/OFF function</li> </ul>

Options	References
Eaton EX EXB	68405
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available end of 2006)
Management Card Contacts/Serial	66104
Eaton EX ModularEasy kit (for parallel operation of 2 Eaton EX)	68418
Eaton Warranty + (3 years warranty)	66814

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 2200 RT2U

### Pulsar Series



Product	Ref	Description
Eaton EX 2200 RT2U	68401	On-line double conversion UPS with automatic bypass, 2200VA/1980W, modular (2N or N+1) with ModularEasy kit, Rack2U/Tower versatile, rack-mounting kit included, multilingual LCD display, 8 IEC 10A outlets including 4 Powershare + 1 IEC 16A, hot swappable batteries, power management software, USB and Serial port, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	967*593*237	34,3 kg	1 product / carton	3553340684012
Shipping pallet	1200*1000*1008	295,4 kg	8 cartons / pallet	

Packaging content
1 Rack/Tower versatile UPS with rack kit and tower stands, 1 16A input power cord, 2 IEC10A output cords, cable locking system, Solution-Pac CD, 1 USB cable, 1 serial cable RJ45/DB9, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	2200 VA / 1980 W
Dimensions (H x W x D*)/Weight	440 x 86 x 640 mm / 31 kg
Output connections	8 IEC C13 (10A) + 1 IEC C19 (16A) outlet, including 2 groups of 2 IEC 10A Powershare outlets
Input voltage range	100/120/160/184V to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDs + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 2200 RT2U	17 min	12 min
Eaton EX 2200 RT2U + 1 EXB	85 min	60 min
Eaton EX 2200 RT2U + 4 EXB	285 min	200 min

Key selling points	
✓	The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system
✓	Modularity with ModularEasy kit : N+1 redundancy or 2N power extension (4400 VA / 3960W)
✓	High density : 2200VA/1980W in a flexible RT2U form factor, Rack/Tower convertible
✓	Compatibility with power factor corrected power supplies (ratio W/VA=0,9)
✓	Wide input voltage tolerance, with automatic optimisation according to real power consumption
✓	Individual management of the UPS outlets (Powershare)
✓	Easy to operate : multilingual LCD display
✓	Hot-swappable batteries
✓	Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection
✓	Multiple supervision modes : USB/Serial ports, slot for optional management card (SNMP/Web, contacts or ModBus)
✓	Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)
✓	Connector for Remote power off or remote ON/OFF function

Options	References
Eaton EX EXB	68405
Eaton HotSwap MBP	FR : 68430 DIN : 68431 BS : 68432 IEC : 68433 HW : 68434
Eaton FlexPDU	FR : 68435 DIN : 68436 BS : 68437 IEC : 68438
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available end of 2006)
Management Card Contacts/Serial	66104
Eaton EX ModularEasy kit (for parallel operation of 2 Eaton EX)	68418
Eaton Warranty + (3 years warranty)	66814

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 2200 RT2U Netpack

### Pulsar Series



Product	Ref	Description
Eaton EX 2200 RT2U Netpack	68411	On-line double conversion UPS with automatic bypass, Network Management Card (SNMP/Web) included, 2200VA/1980W, modular (2N or N+1) with ModularEasy kit, Rack2U/Tower versatile, rack-mounting kit included, multilingual LCD display, 8 IEC 10A outlets including 4 Powershare + 1 IEC 16A, hot swappable batteries, power management software, USB and Serial port

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	967*593*237	34,3 kg	1 product / carton	3553340684111
Shipping pallet	1200*1000*1008	295,4 kg	8 cartons / pallet	

Packaging content
1 Rack/Tower versatile UPS with rack kit and tower stands, Network Management Card Minislot 2006 Edition, 1 16A input power cord, 2 IEC10A output cords, cable locking system, Solution-Pac CD, 1 USB cable, 1 serial cable RJ45/DB9, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	2200 VA / 1980 W
Dimensions (H x W x D*)/Weight	440 x 86 x 640 mm / 31 kg
Output connections	8 IEC C13 (10A) + 1 IEC C19 (16A) outlet, including 2 groups of 2 IEC 10A Powershare outlets
Input voltage range	100/120/160/184V to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDs + Multilingual LCD : access to measures, alarm messages and customization
Administration	NMC Minislot 2006 Edition + 1 USB port + 1 serial RS232 port +1 mini-terminal block for remote ON/OFF & Remote Power Off
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 2200 RT2U Netpack	17 min	12 min
Eaton EX 2200 RT2U Netpack + 1 EXB	85 min	60 min
Eaton EX 2200 RT2U Netpack + 4 EXB	285 min	200 min

Key selling points
<ul style="list-style-type: none"> <li>✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system</li> <li>✓ Ships with Network interface (SNMP+Web) : Network Management Card 2006 Edition included</li> <li>✓ Modularity with ModularEasy kit : N+1 redundancy or 2N power extension (4400 VA / 3960W)</li> <li>✓ High density : 2200VA/1980W in a flexible RT2U form factor, Rack/Tower convertible</li> <li>✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)</li> <li>✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption</li> <li>✓ Individual management of the UPS outlets (Powershare)</li> <li>✓ Easy to operate : multilingual LCD display</li> <li>✓ Hot-swappable batteries</li> <li>✓ Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection</li> <li>✓ Multiple supervision modes : USB/Serial ports + SNMP/Web</li> <li>✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)</li> <li>✓ Connector for Remote power off or remote ON/OFF function</li> </ul>

Options	References
Eaton EX EXB	68405
Eaton HotSwap MBP	FR : 68430 DIN : 68431 BS : 68432 IEC : 68433 HW : 68434
Eaton FlexPDU	FR : 68435 DIN : 68436 BS : 68437 IEC : 68438
Eaton EX ModularEasy kit (for parallel operation of 2 Eaton EX)	68418
Eaton Warranty + (3 years warranty)	66814

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 3000 RT

### Pulsar Series



Product	Ref	Description
Eaton EX 3000 RT	68402	On-line double conversion UPS with automatic bypass, 3000VA/2700W, modular (2N or N+1) with ModularEasy kit, versatile Tower/Rack3U short depth, multilingual LCD display, 8 IEC 10A outlets including 4 Powershare + 1 IEC 16A, hot swappable batteries, power management software, USB and Serial port, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	767*593*279	34 kg	1 product / carton	3553340684029
Shipping pallet	1200*1000*997	225 kg	6 cartons / pallet	

#### Packaging content

1 Rack/Tower versatile UPS, 1 16A input power cord, 2 IEC10A output cords, cable locking system, Solution-Pac CD, 1 USB cable, 1 serial cable RJ45/DB9, user manual, quick start guide, warranty card, safety instructions

#### Technical specifications

Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	3000 VA / 2700 W
Dimensions (H x W x D*)/Weight	440 x 131 x 490 mm / 30 kg
Output connections	8 IEC C13 (10A) + 1 IEC C19 (16A) outlet, including 2 groups of 2 IEC 10A Powershare outlets
Input voltage range	100/120/160/184V to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDS + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

#### Key selling points

- ✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system
- ✓ Modularity with ModularEasy kit : N+1 redundancy or 2N power extension (6000 VA / 5400W)
- ✓ Flexible RT form factor : convertible Tower / 3U Rack short depth (compatible with 600 mm racks)
- ✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)
- ✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption
- ✓ Individual management of the UPS outlets (Powershare)
- ✓ Easy to operate : multilingual LCD display
- ✓ Hot-swappable batteries
- ✓ Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection
- ✓ Multiple supervision modes : USB/Serial ports, slot for optional management card (SNMP/Web, contacts or ModBus)
- ✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)
- ✓ Connector for Remote power off or remote ON/OFF function

Runtime	Typical runtime at 50%	Typical runtime at 75%
Eaton EX 3000 RT	15 min	10 min
Eaton EX 3000 RT + 1 EXB	60 min	40 min
Eaton EX 3000 RT + 4 EXB	190 min	150 min

Options	References
Eaton EX EXB	68405
Eaton EX rack kit 2U/3U	68441
Eaton HotSwap MBP	FR : 68430 DIN : 68431 BS : 68432 IEC : 68433 HW : 68434
Eaton FlexPDU	FR : 68435 DIN : 68436 BS : 68437 IEC : 68438
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available end of 2006)
Management Card Contacts/Serial	66104
Eaton EX ModularEasy kit (for parallel operation of 2 Eaton EX)	68418
Eaton Warranty + (3 years warranty)	66815

\*H x W x D = Height x Width x Depth



# Reference Datasheet

## Eaton EX 3000 RT3U HotSwap

### Pulsar Series



Product	Ref	Description
Eaton EX 3000 RT3U HotSwap	FR : 68412 DIN : 68413 BS : 68414 IEC : 68415 HW : 68416	On-line double conversion UPS with automatic bypass + external HotSwap MBP Maintenance ByPass module with local outlets or terminal blocks, 3000VA/2700W, modular (2N or N+1) with ModularEasy kit, versatile Tower/Rack3U short depth, rack-mounting kit included, multilingual LCD display, 8 IEC 10A outlets including 4 Powershare + 1 IEC 16A, hot swappable batteries, power management software, USB and Serial port, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton
Individual carton	767*593*279	34 kg	1 product / carton
Shipping pallet	1200*1000*997	225 kg	6 cartons / pallet
<b>Barcode (EAN13) : FR : 3553340684128 DIN : 3553340684135 BS : 3553340684142 IEC : 3553340684159 HW : 3553340684166</b>			

Packaging content
1 Rack/Tower versatile UPS with rack kit, 1 16A input power cord, 1 HotSwap MBP with cords, 2 IEC10A output cords, cable locking system, Solution-Pac CD, 1 USB cable, 1 serial cable RJ45/DB9, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	3000 VA / 2700 W
Dimensions (H x W x D*)/Weight	440 x 131 x 490 mm / 30 kg
Output connections	UPS : 8 IEC C13(10A)+1 IEC C19(16A) outlet, including 2 groups of 2 IEC10A Powershare outlets HotSwap MBP : 4 FR/DIN outlets or 3 BS ou 6 IEC10A or terminal blocks (HW model))
Input voltage range	100/120/160/184V to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDs + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Key selling points
<ul style="list-style-type: none"> <li>✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system</li> <li>✓ High availability thanks to HotSwap MBP (external bypass module with local outlets or hard-wired)</li> <li>✓ Modularity with ModularEasy kit : N+1 redundancy or 2N power extension (6000 VA / 5400W)</li> <li>✓ Flexible RT form factor : convertible Tower / 3U Rack short depth (compatible with 600 mm racks)</li> <li>✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)</li> <li>✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption</li> <li>✓ Individual management of the UPS outlets (Powershare)</li> <li>✓ Easy to operate : multilingual LCD display</li> <li>✓ Hot-swappable batteries</li> <li>✓ Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection</li> <li>✓ Multiple supervision modes : USB/Serial ports, slot for optional management card (SNMP/Web, contacts or ModBus)</li> <li>✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)</li> <li>✓ Connector for Remote power off or remote ON/OFF function</li> </ul>

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 3000 RT3U HotSwap	15 min	10min
Eaton EX 3000 RT3U HotSwap + 1 EXB	60 min	40 min
Eaton EX 3000 RT3U HotSwap + 4 EXB	190 min	150 min

Options	References
Eaton EX EXB	68405
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available end of 2006)
Management Card Contacts/Serial	66104
Eaton EX ModularEasy kit (for parallel operation of 2 Eaton EX)	68418
Eaton Warranty + (3 years warranty)	66815

\*H x W x D = Height x Width x Depth



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# Reference Datasheet

## Eaton EX 3000 RT2U

### Pulsar Series



Product	Ref	Description
Eaton EX 3000 RT2U	68403	On-line double conversion UPS with automatic bypass, 3000VA/2700W, modular (2N or N+1) with ModularEasy kit, Rack2U/Tower versatile, rack-mounting kit included, multilingual LCD display, 8 IEC 10A outlets including 4 Powershare + 1 IEC 16A, hot swappable batteries, power management software, USB and Serial port, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	967*593*237	34,3 kg	1 product / carton	3553340684036
Shipping pallet	1200*1000*1008	295,4 kg	6 cartons / pallet	

Packaging content
1 Rack/Tower versatile UPS with rack kit and tower stands, 1 16A input power cord, 2 IEC10A output cords, cable locking system, Solution-Pac CD, 1 USB cable, 1 serial cable RJ45/DB9, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	3000 VA / 2700 W
Dimensions (H x W x D*)/Weight	440 x 86 x 640 mm / 31 kg
Output connections	8 IEC C13 (10A) + 1 IEC C19 (16A) outlet, including 2 groups of 2 IEC 10A Powershare outlets
Input voltage range	100/120/160/184V to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDs + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Key selling points	
✓	The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system
✓	Modularity with ModularEasy kit : N+1 redundancy or 2N power extension (6000 VA / 5400W)
✓	High density : 3000VA/2700W in a flexible RT2U form factor, Rack/Tower convertible
✓	Compatibility with power factor corrected power supplies (ratio W/VA=0,9)
✓	Wide input voltage tolerance, with automatic optimisation according to real power consumption
✓	Individual management of the UPS outlets (Powershare)
✓	Easy to operate : multilingual LCD display
✓	Hot-swappable batteries
✓	Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection
✓	Multiple supervision modes : USB/Serial ports, slot for optional management card (SNMP/Web, contacts or ModBus)
✓	Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)
✓	Connector for Remote power off or remote ON/OFF function

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 3000 RT2U	15 min	10 min
Eaton EX 3000 RT2U + 1 EXB	60 min	40 min
Eaton EX 3000 RT2U + 4 EXB	190 min	150 min

Options	Référence
Eaton EX EXB	68405
Eaton HotSwap MBP	FR : 68430 DIN : 68431 BS : 68432 IEC : 68433 HW : 68434
Eaton FlexPDU	FR : 68435 DIN : 68436 BS : 68437 IEC : 68438
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available end of 2006)
Management Card Contacts/Serial	66104
Eaton EX ModularEasy kit (for parallel operation of 2 Eaton EX)	68418
Eaton Warranty + (3 years warranty)	66815

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 3000 RT2U Netpack

### Pulsar Series



Product	Ref	Description
Eaton EX 3000 RT2U Netpack	68417	On-line double conversion UPS with automatic bypass, Network Management Card (SNMP/Web) included, 3000VA/2700W, modular (2N or N+1) with ModularEasy kit, Rack2U/Tower versatile, rack-mounting kit included, multilingual LCD display, 8 IEC 10A outlets including 4 Powershare + 1 IEC 16A, hot swappable batteries, power management software, USB and Serial port

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	967*593*237	34,3 kg	1 product / carton	3553340684173
Shipping pallet	1200*1000*1008	295,4 kg	6 cartboards / pallet	

Packaging content
1 Rack/Tower versatile UPS with rack kit and tower stands, Network Management Card Minislot 2006 Edition, 1 16A input power cord, 2 IEC10A output cords, cable locking system, Solution-Pac CD, 1 USB cable, 1 serial cable RJ45/DB9, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Active power	3000 VA / 2700 W
Dimensions (H x W x D*)/Weight	440 x 86 x 640 mm / 31 kg
Output connections	8 IEC C13 (10A) + 1 IEC C19 (16A) outlet, including 2 groups of 2 IEC 10A Powershare outlets
Input voltage range	100/120/160/184V to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
Battery features	Automatic weekly test (periodicity adjustable via LCD display or software), battery extension automatic detection
User interface	3 LEDs + Multilingual LCD : access to measures, alarm messages and customization
Administration	NMC Minislot 2006 Edition + 1 USB port + 1 serial RS232 port +1 mini-terminal block for remote ON/OFF & Remote Power Off
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Typical runtime at 50%	Typical runtime at 70%
Eaton EX 3000 RT2U Netpack	15 min	10 min
Eaton EX 3000 RT2U Netpack + 1 EXB	60 min	40 min
Eaton EX 3000 RT2U Netpack + 4 EXB	190 min	150 min

Key selling points
<ul style="list-style-type: none"> <li>✓ The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system</li> <li>✓ Ships with Network interface (SNMP+Web) : Network Management Card 2006 Edition included</li> <li>✓ Modularity with ModularEasy kit : N+1 redundancy or 2N power extension (6000 VA / 5400W)</li> <li>✓ High density : 3000VA/2700W in a flexible RT2U form factor, Rack/Tower convertible</li> <li>✓ Compatibility with power factor corrected power supplies (ratio W/VA=0,9)</li> <li>✓ Wide input voltage tolerance, with automatic optimisation according to real power consumption</li> <li>✓ Individual management of the UPS outlets (Powershare)</li> <li>✓ Easy to operate : multilingual LCD display</li> <li>✓ Hot-swappable batteries</li> <li>✓ Long runtime possibilities: from 1 to 4 optional EXB battery cabinets (Eaton EX EXB), with automatic detection</li> <li>✓ Multiple supervision modes : USB/Serial ports + SNMP/Web</li> <li>✓ Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)</li> <li>✓ Connector for Remote power off or remote ON/OFF function</li> </ul>

Options	Référence
Eaton EX EXB	68405
Eaton HotSwap MBP	FR : 68430 DIN : 68431 BS : 68432 IEC : 68433 HW : 68434
Eaton FlexPDU	FR : 68435 DIN : 68436 BS : 68437 IEC : 68438
Eaton EX ModularEasy kit (for parallel operation of 2 Eaton EX)	68418
Eaton Warranty + (3 years warranty)	66815

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX 3000 XL RT3U

### Pulsar Series



Product	Ref	Description
Eaton EX 3000 XL RT3U	68404	On-line double conversion UPS with automatic bypass for long runtime solutions (with supercharger inside, WITHOUT internal batteries), 3000VA/2400W, versatile Tower/Rack3U short depth, multilingual LCD display, 8 IEC 10A outlets including 4 Powershare + 1 IEC 16A, hot swappable batteries, power management software, USB and Serial port, slot for optional management card

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	767*593*279	21 kg	1 product / carton	3553340684043
Shipping pallet	1200*1000*997	147 kg	6 cartons / pallet	

Packaging content
1 Rack/Tower versatile UPS with rack kit, 1 16A input power cord, 2 IEC10A output cords, cable locking system, battery cable + connector, Solution-Pac CD, 1 USB cable + 1 Serial RJ45/DB9, user manual, quick start guide, warranty card, safety instructions

Technical specifications	
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system
Power ratings	3000 VA / 2400 W
Dimensions (H x W x D*)/Weight	440 x 131 x 490 mm / 30 kg
Output connections	8 IEC C13 (10A) + 1 IEC C19 (16A) outlet, including 2 groups of 2 IEC 10A Powershare outlets
Input voltage range	100/120/160/184V to 284V (for load level <20% / <33% / <66% / >=66% of rated output)
Output voltage	230V (adjustable to 200/208/220/240V)
Frequency	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode
Features	Power factor correction system, Remote power off, Frequency converter mode (with 15% power derating), Cold start
User interface	3 LEDS + Multilingual LCD : access to measures, alarm messages and customization
Administration	1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF & Remote Power Off, 1 slot for NMC Minislot 2006 Edition or NMC ModBus/Jbus or MC Contacts/Serial
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Key selling points	
✓	The best level of power protection : On-line double conversion topology, with automatic by-pass and PFC system
✓	Dedicated solution for long runtime : supercharger inside (WITHOUT internal batteries) for use with 5 up to 12 Eaton EX EXB or with specific batteries
✓	Flexible RT form factor : convertible Tower / 3U Rack short depth (compatible with 600 mm racks)
✓	Wide input voltage tolerance, with automatic optimisation according to real power consumption
✓	Individual management of the UPS outlets (Powershare)
✓	Easy to operate : multilingual LCD display
✓	Multiple supervision modes : USB/Serial ports, slot for optional management card (SNMP/Web, contacts or ModBus)
✓	Suite of management software (for local or remote monitoring) on Solution-Pac CD (with SNMP agents included)
✓	Connector for Remote power off or remote ON/OFF function

Options	References
Eaton EX EXB	68405
Eaton HotSwap MBP	FR : 68430 DIN : 68431 BS : 68432 IEC : 68433 HW : 68434
Eaton FlexPDU	FR : 68435 DIN : 68436 BS : 68437 IEC : 68438
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103 (available end of 2006)
Management Card Contacts/Serial	66104
Eaton Warranty + (3 years warranty)	66815

\*H x W x D = Height x Width x Depth

# Reference Datasheet

## Eaton EX EXB RT3U

### Pulsar Series



Product	Ref	Description
Eaton EX EXB RT3U	68405	Battery extension cabinet for Eaton EX 2200/3000, 3U Rack/Tower versatile, rack and tower mounting accessories included, automatic detection by the UPS

Packaging	Dimensions (WxDxH*, mm)	Weight (kg)	Nb of products / carton	Barcode (EAN13)
Individual carton	767*593*279	46 kg	1 product / carton	3553340684050
Shipping pallet	1200*1000*997	389 kg	8 cartons / pallet	

Packaging content
1 RT3U battery cabinet, 1 battery cable with com cable for automatic detection, rack-mounting kit, link plate for tower mounting, EXB user manual

Technical specifications	
Dimensions (H x L x P*)/ Weight	440 x 131 x 490 mm / 42 kg
Warranty	2 years – Optional 3 years warranty with Warranty+ (depending on country)
Standards and certifications	IEC/EN 62040-3; IEC/EN 62040-1 -1; IEC/EN 60950-1 (RD), IEC/EN 62040-2 C1 class, CE, TÜV GS, CB report, TÜV-US

Runtime	Runtime with 1 EXB	Runtime with 4 EXB
Eaton EX 2200 @ 50% load	85 min	285 min
Eaton EX 2200 @ 70% load	60 min	200 min
Eaton EX 3000 @ 50% load	60 min	190 min
Eaton EX 3000 @ 70% load	40 min	150 min

Options	Reference
Eaton Warranty + (3 years warranty)	66813

\* H x W x D = Height x Width x Depth