

Enterprise Networks

Process &amp; Infrastructures

# UPS

## Pulsar *EXtreme C*

### 700/1000/1500/2200/3200 VA

On-line double conversion UPS  
as tower or rack-optimised form factor

#### Extreme protection

- ▶ ON-LINE Double Conversion technology, compatible with all applications and environments.
- ▶ Permanent voltage and frequency regulation, transfer time 0 ms.
- ▶ Generator set compatible.

#### High availability

- ▶ Wide input voltage tolerance: batteries are used only for major utility problems.
- ▶ Automatic by-pass system in case of overload or internal malfunction.
- ▶ Hot-swappable batteries.
- ▶ Redundancy through optional Source Transfer Switch (Pulsar STS).

#### Network Integration

- ▶ SNMP + Web monitoring.
- ▶ NMS integration: HP OpenView, IBM Tivoli Netview, CA Unicenter...
- ▶ Multiple server shutdown (Solution-Pac software suite supplied as standard).
- ▶ Remote reboot of locked equipment through individually switchable outlets (Powershare™).



#### High Density

- ▶ 2U form factor up to 3 kVA.
- ▶ Optional EXB Battery extension cabinets in 2U.

#### Solutions for long runtime

- ▶ Up to 1kVA 6 hours or 2kVA 3 hours with the addition of 1 to 4 EXB battery cabinets.
- ▶ Increased runtime for critical applications: load shedding on programmable outlets (Powershare™).
- ▶ 1500 CLA version with Super Charger.



Rack 2U/Tower versatile  
(2200C/3200C).



Tower and 2U Rack  
(700/1000/1500C).

#### High-end power protection ideal for:

- ▶ Servers, whether rack-mounted or standing
- ▶ Networking & VOIP
- ▶ Storage
- ▶ Telecom equipment
- ▶ Medical equipment
- ▶ Sensitive electronic equipment in industrial environment



Easy integration in high-density enclosures.



Ideal for infrastructures requiring service continuity.



Web-based monitoring.

THE UNINTERRUPTIBLE POWER PROVIDER

**MGE**  
UPS SYSTEMS



### Comprehensive user interface

- ▶ Operation mode: on line, on by-pass, on battery
- ▶ Power consumption
- ▶ Battery charge
- ▶ Status of Powershare™ switchable outlets
- ▶ Replace battery indicator and UPS fault

### Hot swappable batteries

1 USB port + 1 Serial port

### Connector for EXB battery extension

### EXB auto-recognition

6 x IEC 10A outlets including 2 switchable Powershare outlets  
On 3200C: 4xIEC 10 A + 1xIEC 16 A

### Slot for power management card



## Power management

### Solution-Pac software suite on CD, included with all UPSs

For server protection and local or remote UPS management.

### Options :

#### Network management card

For Ethernet 10/100 network connection, SNMP alerts and Web-based monitoring.

#### Environment Sensor for SNMP/Web card

SNMP and Web monitoring of Temperature + Humidity + status of 2 contacts.

#### Management-Pac 2 software suite on CD

NMS integration kit: HP OpenView, IBM Tivoli Netview, CA Unicenter...

#### Status information card

For UPS monitoring through voltage-free contacts + remote power-off function.

#### UPS Control LCD display

Remote display (up to 25m) of UPS interface and measurements.

## MGE PowerServices™

### 2 year warranty, including batteries.

Standard exchange of the UPS in case of internal malfunction.

### Service range <sup>(1)</sup>

- ▶ Warranty+: warranty extension up to 3 years. Start Up+: On-site UPS commissioning.
- ▶ Warranty+ Silver includes Warranty+ and Start Up+.
- ▶ Warranty+ Gold includes Warranty+, Start Up+ and 3 maintenance visits.
- ▶ Teleservice.

1: Depending on the country, visit [www.mgeups.com/services](http://www.mgeups.com/services).

## Specifications

	700C	1000C	1500C	2200C	3200C
<b>Performances</b>					
Power rating	700 VA/490 W	1000 VA/700 W	1500 VA/1050 W	2200 VA/1540 W	3200 VA/2080 W
Technology	On-Line double conversion with automatic by-pass				
Input voltage window	120/140/160 V* to 276 V		120/140/160 V* to 284 V		
Input frequency	50/60 Hz, auto-select, input frequency 40-70 Hz, frequency converter				
Output Voltage / Frequency	230V, adjustable to 200/208/220/230/240 V, 50/60 Hz +/-0.5 %				
Overload capacity	110 %: continuous, 130 %: 12 s then on by-pass, >130 %: 1.5 s then on by-pass				
Battery test	Automatic battery test once a week (adjustable through UPS-Driver software supplied)				
Battery management	EXB auto recognition, automatic runtime adjustment, protection against deep discharge				
<b>Typical runtime at 50% / 70% of rated power</b>					
Pulsar EXtreme C	14 mn / 10 mn	18 mn / 11 mn	14 mn / 10 mn	17 mn / 12 mn	15 mn / 10 mn
Pulsar EXtreme C + 1 EXB	-	60 mn / 40 mn	80 mn / 50 mn	85 mn / 60 mn	60 mn / 40 mn
Pulsar EXtreme C + 4 EXB	-	170 mn / 110 mn	210 mn / 135 mn	285 mn / 200 mn	190 mn / 130 mn
<b>Input / output connection</b>					
Input	IEC C14 (10A)				IEC C20 (16A)
Output	6 IEC C13 (10A)				1 IEC C19 (16 A) 4 IEC C13 (10 A)
Including Powershare outlets	2 IEC C13 individually switchable outlets (remote ON/OFF, load shedding, sequential start-up)				
<b>Power management</b>					
Standard port	1 USB port + 1 Serial port				
Available slot	1 slot for SNMP/Web Minislot card (Ref 66244) or status information card (Ref 66246)				
Remote Power Off	option with status information card ref 66246			Standard	
<b>Dimensions (H x W x D in mm) / Weight (in kg)</b>					
Tower UPS or EXB	235.5x145x400		235.5x145x505		UPS: 86.5 (2U) x 438 (19") x 654.2
Rack UPS or EXB	88 (2U) x 482.6 (19") x 430		88(2U)x482.6 (19")x493		EXB: 87.9 (2U) x 438 (19") x 632
UPS weight Tower / Rack	10 kg / -	12 kg / 16 kg	15 kg / 20 kg	35 kg	36 kg
EXB weight Tower / Rack	- / -	15 kg / 21 kg	21 kg / 27.5 kg	42 kg	42 kg
<b>Standards</b>					
Approvals	CE / TÜV-GS Mark / CB Report / UL 1778, cUL				
Performance and safety	IEC/EN 62040-1-1, EN 60 950-1 (RD), IEC/EN 62 040-3				
EMC	EN 50091-2, IEC 62040-2 class B (even with EXB battery extensions)				

\* for 33 / 66 / 100% load

## Part numbers

Model	700C		1000C		1500C		2200C	3200C
Form factor	Tower	Rack 2U	Tower	Rack 2U	Tower	Rack 2U	Rack/Tower Versatile	
UPS	66345	-	66346	66352	66347	66353	66375	66376
EXB battery extension	-	-	66349	66355	66350	66356	66377	
UPS 1500 CLA without batteries with Super Charger					66359	66358	-	-
Isolation transformer for EXtreme 700/1000/1500C					66357		-	-

## MGE UPS SYSTEMS

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