Pulsar*ellipse*
300-1200VA

Pulsar*ellipse premium*
500-1200VA

*Reliable Power Protection for PCs, workstations and small servers*

### Advanced Features

- High frequency switching makes Pulsar *ellipse* very small and light

- Smart stand-by technology for Pulsar *ellipse* and line-interactive technology for Pulsar *ellipse premium*

- Powershare receptacles that allow the user to remotely switch on or off any equipment

- User-replaceable batteries

- Built-in surge protection

- USB or Serial communication port options

- Seamless integration of MGE Solution-Pac with any operating systems

- 6/7 receptacles to protect extra peripheral equipment

- Rack-mount option available

- Seamless integration with Microsoft Windows 2000

Pulsar *ellipse* and Pulsar *ellipse premium* are the UPS of choice

to maximize the power availability of PCs, workstations and small

servers used by home office users and small to medium businesses.

Their distinctive compact and lightweight design is the result of

MGE's investment in research and development to provide users

with the best combination of performance and size.

# M G E
UPS SYSTEMS

THE UNINTERRUPTIBLE POWER PROVIDER

## Pulsar *ellipse*

Pulsar *ellipse* ranging from 300 to 1200VA , is perfect for your PC, Workstations, external storage systems and peripherals.

Pulsar *ellipse* has smart stand-by technology. If the input voltage is out of 96-138V window, Pulsar *ellipse* will switch automatically to the battery to provide 120V to your equipment.

**Comprehensive Display and Controls**

On/Off switch   Overload   Battery Status   Fault

## Pulsar *ellipse premium*

Pulsar *ellipse premium* ranging from 500 to 1200 VA , is perfect for your PC, multimedia, high-end workstations, PC servers, storage systems and small servers.

Pulsar *ellipse premium* has line-interactive technology. Its Automatic Voltage Regulation (AVR) automatically corrects brownout conditions allowing you to work through brownouts without unnecessary battery drain. Pulsar *ellipse premium* provides continual power to your equipment in under-voltage conditions without using batteries. With this feature, batteries will last longer.

## Optimum price/ performance ratio

*Pulsar ellipse premium UPSs use line-interactive technology to guarantee effective protection for your workstations and servers, even in highly disturbed electrical environments.*

❱ **Universal**
The wide input-voltage range avoids frequent transfers to battery power. Maximum backup time is conserved for real problems.

❱ **Adaptable**
The thresholds for transfer to battery power may be adjusted using the supplied Solution-Pac software.

❱ **Quality power**
Voltage variations are automatically corrected by the booster device, ensuring high-quality power for computer systems without frequent transfers to battery power.

## Proven Technical Features You Can Rely On

| Features | Benefits |
|---|---|
| ❱ **High frequency switching technology** | Reduces sizes and weights up to 50%, and reduces magnetic interference with monitor |
| ❱ **Cold start** | Provides instant ability to start UPS after power outage |
| ❱ **User-replaceable batteries** | Provides means of renewing battery and protecting the environment |
| ❱ **Battery management** | Extends battery life up to 50% |
| ❱ **Data line protection** | Arrests surges and spikes from fax, modem or network line. These disturbances can damage the computer |
| ❱ **Powershare** | Remotely programs a shutdown schedule for non-critical loads |

| Load in Watts | 50 | 100 | 150 | 180 | 200 | 280 | 350 | 420 | 520 | 600 | 650 | 700 | 780 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pulsar *ellipse* 300 (180W) | 57 | 28 | 13 | 11 | | | | | | | | | |
| Pulsar *ellipse/ ellipse premium* 500 (280W) | 57 | 18 | 13 | 11 | 9 | 5 | | | | | | | |
| Pulsar *ellipse/ ellipse premium* 650 (420W) | 35 | 45 | 23 | 21 | 19 | 13 | 10 | 7 | | | | | |
| Pulsar *ellipse/ ellipse premium* 800 (520W) | 95 | 45 | 23 | 21 | 19 | 13 | 10 | 7 | 5 | | | | |
| Pulsar *ellipse/ ellipse premium* 1200 (780W) | 175 | 100 | 52 | 45 | 38 | 22 | 18 | 14 | 10 | 9 | 8 | 7 | 6 |

# Pulsar *ellipse* and *ellipse premium* *Different models for different applications*

The Pulsar *ellipse and ellipse premium* are designed to provide perfect power protection for professional workstations and small servers operating under Windows 2000/NT, Linux, Netware, SCO, Novell Netware, IBM, FreeBSD or Apple Mac. The Pulsar *ellipse and ellipse premium* comprise four power ratings that can communicate via USB or serial port, depending on the model. USB models are automatically integrated by Windows 2000 and Apple Mac OS.

## Operating Systems Supported

| | RS232 | USB |
|---|---|---|
| Win 98 SE, Win 2000, Me | ✸ | ✸ |
| Win 95 OSR2, Win NT 3.51 & 4.X | ✸ | |
| Linux, RedHat, Mandrake, SuSE, Corel, Slackware | ✸ | |
| Netware 3.12, 4.12, 5.0 | ✸ | |
| SCO 5.0, Unixware 7.X | ✸ | |
| Mac/OS 9.X. 10.1, 10.2 | | ✸ |
| SUN Solaris PC & WS | ✸ | |
| IBM OS/2 Warp Connect, AIX | ✸ | |
| HP UX 10.X – 11.X | ✸ | |
| Novell Netware 3.12 – 4.02 – 5.X – 6.X | ✸ | |
| FreeBSD 3.4 and 4.0 | ✸ | |

## Easy Installation and Operation

Pulsar *ellipse premium* is a simple and complete power protection solution for your computer system.

◗ **A complete package**
Every Pulsar *ellipse premium* UPS, whether USB or serial, comes with Personal Solution-Pac power management software. The USB or serial cable is always included.
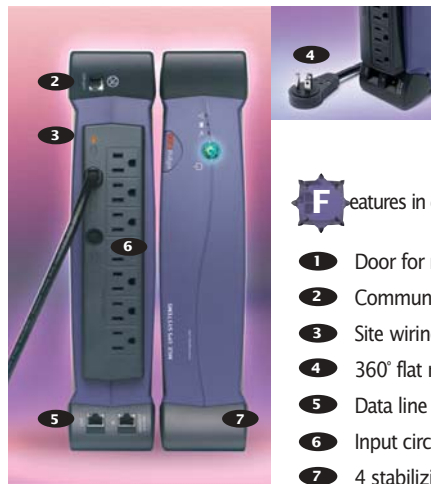
◗ **Guaranteed compatibility, easy installation**
Whether your computer runs Windows 2000/NT, Linux, Apple Mac, SUN Solaris, SCO Unixware or Novell Netware, Personal Solution-Pac software is easy to install and use.

◗ **Upgrades**
Software updates and the latest versions may be down-loaded **free** from the *www.mgeups.com* site.

The Pulsar *ellipse* clean design makes it easy to connect and makes battery replacement a snap!

*ellipse* **300/500** (6 outlets total)
◗ 2 outlets for peripherals (surge protected only)
◗ 4 outlets for sensitive equipment (surge protected & battery backed-up)

*ellipse* **650/800** (7 outlets total)
◗ 3 outlets for peripherals (surge protected only)
◗ 4 outlets for sensitive equipment (surge protected & battery backed-up)

*ellipse* **1200** (7 outlets total)
◗ 7 surge protected and battery backed-up outlets
◗ Includes 3 switchable outlets for load shedding

**F**eatures in design of the *ellipse* include:

1. Door for replacing batteries (except 1200 model)
2. Communication port (RS232 or USB)
3. Site wiring fault indicator
4. 360° flat rotating input plug for greater flexibility
5. Data line protection (RJ11/RJ45)
6. Input circuit breaker
7. 4 stabilizing feet

# Pulsar*ellipse* range

| | | | | | |
|---|---|---|---|---|---|
| VA rating | 300 | 480 | 650 | 800 | 1200 |
| Watts | 180 | 280 | 420 | 520 | 780 |
| UPS technology | Smart stand-by | Smart stand-by | Smart stand-by | Smart stand-by | Smart stand-by |
| Nominal voltage | 108/120/127V* | 108/120/127V* | 108/120/127V* | 108/120/127V* | 108/120/127V* |
| Frequency | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz |
| Back-up time (half load) | 30 min. | 14 min. | 19 min. | 15 min. | 16 min. |
| Output wave shape | Quasi sinewave | Quasi sinewave | Quasi sinewave | Quasi sinewave | Quasi sinewave |
| Receptacle on battery | 4 | 4 | 4 | 4 | 4 |
| Receptacle (surge protection only) | 2 | 2 | 3 | 3 | – |
| Powershare receptacle | – | – | – | – | 3 |
| Surge suppression (joules) | 185 | 185 | 185 | 185 | 185 |
| Input circuit breaker | 10 amps | 10 amps | 10 amps | 10 amps | 10 amps |
| Communication ports | USB | USB or Serial | USB or Serial | USB | USB or Serial |
| Data-line protection | RJ45 network protection | RJ45 network protection | RJ45 network protection | RJ45 network protection | RJ45 network protection |
| Input Plug | NEMA 5-15 right angle plug, rotates 360º, 6 foot cord | | | | |
| **Batteries** | | | | | |
| Type | 1 each 12V, 5 Ah | 1 each 12V, 5 Ah | 2 each 12V, 5 Ah | 2 each 12V, 5 Ah | 3 each 12V, 5 Ah |
| Life expectancy (smart battery management) | 5 years | 5 years | 5 years | 5 years | 5 years |
| Recharge time | 8 hours | 8 hours | 8 hours | 8 hours | 8 hours |
| Deep discharge protection | 4 hrs. max runtime | 4 hrs. max runtime | 4 hrs. max runtime | 4 hrs. max runtime | 4 hrs. max runtime |
| **Physical Specifications** | | | | | |
| Size (WxHxD in.) / Weight (lbs.) | 10 x 10 x 3.2 / 8 | 10 x 10 x 3.2 / 8 | 12 x 12 x 3.2 / 14 | 12 x 12 x 3.2 / 14 | 14 x 14 x 3.2 / 21 |
| Stand alone and Rack-mountable | Yes | Yes | Yes | Yes | Yes |
| Flat position (under the monitor) | Yes | Yes | Yes | Yes | Yes |

### Pulsar*ellipse*
**Design Standards / Warranty**

| | |
|---|---|
| Safety | UL, cUL, FCC |
| Operation temperature | 0-35C / 32-96F |
| Storage temperature | 0-50C / 32-122F |
| Noise (dBA) | 40 |
| Warranty (US & Canada) | 2 years, parts & labor |
| Pure Power Promise | $35 000 |
| Environmental | Recyclable components, packaging & documentation, recycled materials, used battery recovery |

*User Adjustable

# Pulsar*ellipse premium* range

| | | | | |
|---|---|---|---|---|
| VA rating | 480 | 650 | 800 | 1200 |
| Watts | 280 | 420 | 520 | 780 |
| UPS technology | Line-interactive (Automatic Voltage Regulation) | Line-interactive (Automatic Voltage Regulation) | Line-interactive (Automatic Voltage Regulation) | Line-interactive (Automatic Voltage Regulation) |
| Nominal voltage | 108/120/127V* | 108/120/127V* | 108/120/127V* | 108/120/127V* |
| Input voltage window | 84 - 138V (78 - 138V*) | 84 - 138V (78 - 138V*) | 84 - 138V (78 - 138V*) | 84 - 138V (78 - 138V*) |
| Frequency | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz |
| Back-up time (half load) | 14 min. | 19 min. | 15 min. | 16 min. |
| Output wave shape | Quasi sinewave | Quasi sinewave | Quasi sinewave | Quasi sinewave |
| Receptacle on battery | 4 | 4 | 4 | 4 |
| Receptacle (surge protection only) | 3 | – | – | – |
| Powershare receptacle | – | 3 | 3 | 3 |
| Surge suppression (joules) | 185 | 185 | 185 | 185 |
| Input circuit breaker | 15 amps | 15 amps | 15 amps | 15 amps |
| Communication ports | USB or Serial | USB or Serial | USB or Serial | USB |
| Data-line protection | RJ45 network protection | RJ45 network protection | RJ45 network protection | RJ45 network protection |
| Input Plug | NEMA 5-15 right angle plug, rotates 360º, 6 foot cord | | | |
| **Batteries** | | | | |
| Type | 1 each 12V, 5 Ah | 2 each 12V, 5 Ah | 2 each 12V, 5 Ah | 3 each 12V, 5 Ah |
| Life expectancy (smart battery management) | 5 years | 5 years | 5 years | 5 years |
| Recharge time | 8 hours | 8 hours | 8 hours | 8 hours |
| Deep discharge protection | 4 hrs. max runtime | 4 hrs. max runtime | 4 hrs. max runtime | 4 hrs. max runtime |
| **Physical Specifications** | | | | |
| Size (WxHxD in.) / Weight (lbs.) | 12 x 12 x 3.2 / 15 | 13 x 13 x 5 / 21 | 13 x 13 x 5 / 21 | 13 x 13 x 5 / 26 |
| Stand alone and Rack-mountable | Yes | Yes | Yes | Yes |
| Flat position (under the monitor) | Yes | No | No | No |

### Pulsar*ellipse premium*
**Design Standards / Warranty**

| | |
|---|---|
| Safety | UL, cUL, FCC |
| Operation temperature | 0-35C / 32-96F |
| Storage temperature | 0-50C / 32-122F |
| Noise (dBA) | 40 |
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