

# UPS

## PowerServe RM SERIES

### 750VA TO 2500VA

#### RACKMOUNTABLE UPS SYSTEM

Today's business depends upon the reliable operation of servers, networking devices and telecommunication equipment...

This in turn requires clean uninterruptible power at all times in order to perform their mission-critical tasks. **The PowerServe UPS offers this protection without compromise.**

The PowerServe series ranges from 750VA to 2.5kVA and uses digital Line Interactive technology and Automatic Voltage Regulation (AVR) to protect against damaging voltage variations such as brownouts, sags, surges, spikes and transients. PowerServe also contains a Digital Signal Processing (DSP) control system, which greatly enhances the reliability of the UPS.

Should the mains fail, the protected equipment will be battery powered via an inverter delivering pure sine wave power, ensuring business as usual for even the most sensitive equipment.

If a shutdown is required, EPI's UPSManager software suite will facilitate this safely and securely. This software can also be used for advanced communication locally or remotely making PowerServe the ideal solution for network managers requiring total control of their power system.

#### CHARACTERISTICS

- Mains power supply filtering and stabilisation (Line Interactive technology with AVR)
- DSP control system
- Cold start capability: the UPS can power up without mains supply present
- Auto restart at power-up
- High reliability with built-in automatic battery management system
- Galvanic Isolation
- True sine wave output from both AC and DC mode
- Bypass line included

#### ADVANCED COMMUNICATIONS

- High level multi-platform communication via UPSManager monitoring and shut-down software
- The UPS is supplied with a RS232 communications cable for 'Plug and Play' PC connection

#### 2-YEAR WARRANTY

- Warranty upgrades available

Do you have a reliable partner who understands high availability at the enterprise level and can provide you with a turn-key Power Protection solution?



# TECHNICAL DETAILS

| Input Rated Capacity                         | SL 750RM<br>750VA<br>(525W)  | SL 1000RM<br>1000VA<br>(700W) | SL 1500RM<br>1500VA<br>(1050W) | SL 2500RM<br>2500VA<br>(1750W) |
|--|--|-------------------------------|--------------------------------|--------------------------------|
| Input Voltage Range                          | 164V-271V There are 3 settings available, more can be selected on-line   |                               |                                |                                |
| Input Frequency                              | 43Hz~58Hz  |                               |                                |                                |
| Max. input current                           | 3.3A   | 4.3A                          | 6.4A                           | 12.7A                          |
| Input Phase                                  | L+N+E (single phase)   |                               |                                |                                |
| Output Voltage                               | AC   | 220V +/- 10%                  |                                |                                |
|  | Battery  | 220V +/- 2%                   |                                |                                |
| Output Frequency                             | AC   | Synchronised to mains         |                                |                                |
|  | Battery  | 50/60 Hz +/- 0.01Hz           |                                |                                |
| Output Wave Form                             | Sinusoidal   |                               |                                |                                |
| Voltage Wave from Distortion                 | <2% (linear) <5% (non-linear)  |                               |                                |                                |
| Output Crest Factor                          | 3:1  |                               |                                |                                |
| Response Time including Detection            | <4mS   |                               |                                |                                |
| Max Battery Discharge Current                | 37.5A  | 50A                           | 66A                            | 58A                            |
| Standard Backup Time                         | 5-10 mins  |                               |                                |                                |
| DC Voltage                                   | 24Vdc  |                               |                                |                                |
| Battery Quan. & Specification                | 2PCS x<br>12V7.2AH   | 2PCS x 2Groups x<br>12V7.2AH  | 4PS x 12V18AH                  | 4PCS x 12V18AH                 |
| Battery Charge Time                          | >90% within 10 hours   |                               |                                |                                |
| Battery Low Voltage Protection               | Automatically adjusted in relation to battery discharge rate             |                               |                                |                                |
| Over-Load Protection                         | Battery<br>>105%, 10 seconds,  | AC<br>>120%, 3 seconds,       | >150%, 200mS,                  | initialises after 60 secs      |
| Output Over Voltage & Low Voltage Protection | <160V or >260V unit will power off                                       |                               |                                |                                |
| Short Circuit Protection                     | Automatically turns off power and alarms                                 |                               |                                |                                |
| EMC Requirements                             | EN 50091-2 Class B   |                               |                                |                                |
| Environmental                                | Working temperature: -20 degrees C to +40 degrees C                      |                               |                                |                                |
|  | Humidity: 0% - 95% non-condensing  |                               |                                |                                |
|  | Elevation: 0 to +3000 meters   |                               |                                |                                |
| Features                                     | Regular DC voltage check and regular battery self-check                  |                               |                                |                                |
|  | Low-voltage protection, it can be turned on automatically if AC returns  |                               |                                |                                |
|  | Start UPS on batteries   |                               |                                |                                |
|  | Single UPS communication or optional network communication               |                               |                                |                                |
|  | Software: Turn on/off according to time. Saves information automatically |                               |                                |                                |
|  | Automatically switches from average charge to float charge               |                               |                                |                                |
|  | Intelligent fan speed control  |                               |                                |                                |
| Power Factor                                 | 0.7  |                               |                                |                                |
| Efficiency                                   | >90%   |                               | >95%                           |                                |
| Dimensions (mm)                              | 482.6 x 88.1 x 460 (2U)  |                               | 482.6 x 132.5 x 600 (3U)       |                                |
| Weight incl. Battery                         | 26kg   | 28kg                          | 43kg                           |                                |
| Warranty                                     | 24 months return to base parts and labour                                |                               |                                |                                |



**POWER**  
without compromise

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