

| MODEL                             | GUARDIAN<br>600A/AP  | GUARDIAN<br>650A/AP     | GUARDIAN<br>800A/AP     | GUARDIAN<br>1000A/AP     | GUARDIAN<br>1500A/AP     | GUARDIAN<br>2000A/AP     |
|-----------------------------------|--|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|
|                                   | GUARDIAN<br>LCD 600A/AP  | GUARDIAN<br>LCD 650A/AP | GUARDIAN<br>LCD 800A/AP | GUARDIAN<br>LCD 1000A/AP | GUARDIAN<br>LCD 1500A/AP | GUARDIAN<br>LCD 2000A/AP |
| <b>INPUT</b>                      |  |                         |                         |                          |                          |                          |
| Capacity (VA)                     | 600  | 650                     | 800                     | 1000                     | 1500                     | 2000                     |
| Voltage                           | 220V or 230V   |                         |                         |                          |                          |                          |
| Input Voltage Range               | -25%, +25%   |                         |                         |                          |                          |                          |
| Frequency                         | 50 or 60 Hz (auto sensing)   |                         |                         |                          |                          |                          |
| <b>OUTPUT</b>                     |  |                         |                         |                          |                          |                          |
| Power Factor                      | 0.6  |                         |                         |                          |                          |                          |
| Voltage (On battery)              | 220V or 230V ±10%  |                         |                         |                          |                          |                          |
| Waveform (On battery)             | Simulated Sinewave   |                         |                         |                          |                          |                          |
| Frequency (On battery)            | 50 or 60 Hz ±1Hz   |                         |                         |                          |                          |                          |
| Voltage Regulation (AVR)          | AVR automatically increases output voltage 15% above input voltage if -10% to -26% of nominal<br>AVR automatically decreases output voltage 15% below input voltage if +10% to +22% of nominal |                         |                         |                          |                          |                          |
| Transfer Time                     | 2 - 6 ms.  |                         |                         |                          |                          |                          |
| Outlets                           | 1pcs Schuko 1pcs IEC   |                         | 2pcs Schuko 2pcs IEC    |                          |                          |                          |
| <b>BATTERY</b>                    |  |                         |                         |                          |                          |                          |
| Type                              | Maintenance - Free lead acid batteries   |                         |                         |                          |                          |                          |
| Recharge Time                     | 6 hours (to 90% of full capacity)  |                         |                         |                          |                          |                          |
| Voltage                           | 12 VDC   |                         |                         | 24 VDC                   |                          |                          |
| Back up time                      | 5-30 minutes (depending on computer load)  |                         |                         |                          |                          |                          |
| <b>DISPLAY</b>                    |  |                         |                         |                          |                          |                          |
| LED Display                       | Fault, Battery Mode, AC Mode   |                         |                         |                          |                          |                          |
| LCD Display<br>(for Guardian LCD) | Input&Output voltage values, AC mode/Load Level/Battery Capacity Indicators  |                         |                         |                          |                          |                          |
| <b>PROTECTION</b>                 |  |                         |                         |                          |                          |                          |
|                                   | Short Circuit, Overload, Battery Discharge, Overcharge, Tel/Phone line (AP Models only)  |                         |                         |                          |                          |                          |
| <b>COMMUNICATION</b>              |  |                         |                         |                          |                          |                          |
| Communication Interface           | USB port (only AP models)  |                         |                         |                          |                          |                          |
| <b>AUDIBLE ALARMS</b>             |  |                         |                         |                          |                          |                          |
|                                   | Battery Mode (every 10 seconds), Low Battery (every second), Overload (every 0.5 second)<br>Battery Replacement (every 2 seconds), Fault (Continuous)  |                         |                         |                          |                          |                          |
| <b>ENVIRONMENT</b>                |  |                         |                         |                          |                          |                          |
| Operating Temp.                   | 0-40 °C  |                         |                         |                          |                          |                          |
| Humidity                          | 0 to 90% non-condensing  |                         |                         |                          |                          |                          |
| Audible Noise                     | <40dBA   |                         |                         |                          |                          |                          |
| Protection Class                  | IP20   |                         |                         |                          |                          |                          |
| <b>PHYSICAL</b>                   |  |                         |                         |                          |                          |                          |
| Net Weight(kg)                    | 4  | 4,25                    | 4,9                     | 8                        | 11,1                     | 11,5                     |
| Dimensions (mm)<br>DxWxH          | 100x287x142  |                         |                         | 146x350x160              |                          | 146x397x205              |
| <b>STANDARDS</b>                  |  |                         |                         |                          |                          |                          |
| Standards                         | EN 62040-1-1 (safety), EN 62040-2 (EMC)  |                         |                         |                          |                          |                          |