



## Key Features and Benefits

- Line Interactive Technology
- Wide Input voltage Window
- Cold Start Function
- Built in Surge Protection
- Microprocessor Controlled
- Compact Size
- Compliance with CE, TUV, and GC-Mark Standards
- Double Boost and Buck function for Selected Models

| Model                       |                                   | MIDI650  | MIDI1000                       |
|-----------------------------|-----------------------------------|--|--------------------------------|
| Capacity                    |                                   | 650VA/360W   | 800VA/480W                     |
| Input                       | rating voltage                    | 230VAC   |                                |
|                             | rating frequency                  | 50Hz   |                                |
|                             | Voltage range                     | 140V-300V  |                                |
|                             | Frequency range                   | 40-65Hz (Auto sensing)                                     |                                |
| Output                      | Rating voltage                    | 230VAC   |                                |
|                             | waveform                          | Battery mode (simulated sine wave), AC mode(sine wave)     |                                |
|                             | output voltage range              | ±10% ( battery mode)                                       |                                |
|                             | Rating frequency                  | 50Hz   |                                |
|                             | output frequency range            | 50Hz ±1Hz in battery mode                                  |                                |
| Efficiency                  | Line Mode                         | > 95 %   |                                |
|                             | Boost/Buck Mode                   | > 85 %   |                                |
| Short circuit protection    | Line Mode                         | Fuse& Firmware protection                                  |                                |
|                             | Battery Mode                      | Firmware protection  |                                |
| Overload capacity           | Line Mode                         | 110% ± 5%; Go to fault mode after 5 minutes                |                                |
|                             |                                   | 120% ± 5%; Go to fault mode immediately.                   |                                |
|                             | Battery Mode                      | 110% ± 5%; Shutdown after 5 seconds                        |                                |
|                             |                                   | 120% ± 5%, Shutdown immediately                            |                                |
| Battery                     | Battery Configuration             | 1X12V7Ah   | 1X12V9Ah                       |
|                             | Transfer Time                     | 2-6 ms typical   |                                |
|                             | Back-up time                      | 15 min @ typical load *                                    | 22 min @ typical load *        |
|                             | Over charge protection            | Yes  |                                |
|                             | Over discharge protection         | Yes  |                                |
| Display and alarm Indicator | AC Mode                           | Green LED Lighting   |                                |
|                             | Backup Mode                       | Yellow LED Flashing  |                                |
|                             | Fault                             | Red LED Lighting   |                                |
| Audible alarm indicator     | Back up mode                      | Sounding every 10 seconds                                  |                                |
|                             | Battery low                       | Sounding every 1 second                                    |                                |
|                             | Overload                          | Sounding every 0.5 seconds                                 |                                |
|                             | Fault                             | Continuous sounding  |                                |
| Others                      | Physical data                     | 287 x 101 x 143 mm / 3.5kg net                             | 287 x 101 x 143 mm / 4.1kg net |
|                             | Offline Charging                  | Yes  |                                |
|                             | Green function                    | Yes  |                                |
|                             | Connectors / AC Surge suppression | direct cabling input; 2 x IEC C13 connectors / 320J rating |                                |
|                             | Operating environment             | 0 to +40 C ,0 to 90% Relative Humidity(Non-condensing)     |                                |
|                             | Noise Level                       | Less than 40dB   |                                |

\* Battery backup to support PC + 15" LCD monitor

| Model                       |                                   | MIDI1200  | MIDI1500                        |
|-----------------------------|-----------------------------------|---|---------------------------------|
| Capacity                    |                                   | 1200VA/600W   | 1500VA/900W                     |
| Input                       | rating voltage                    | 230VAC  |                                 |
|                             | rating frequency                  | 50Hz  |                                 |
|                             | Voltage range                     | 165V-275V ± 4%  |                                 |
|                             | Frequency range                   | 40-65Hz (Auto sensing)  |                                 |
| Output                      | Rating voltage                    | 230VAC  |                                 |
|                             | waveform                          | Battery mode (simulated sine wave), AC mode(sine wave)          |                                 |
|                             | output voltage range              | ± 12% ( Battery mode)   |                                 |
|                             | Rating frequency                  | 50Hz  |                                 |
|                             | output frequency range            | 50Hz ± 1Hz in battery mode                                      |                                 |
| Efficiency                  | Line Mode                         | > 95 %  |                                 |
|                             | Boost/Buck Mode                   | > 87 %  |                                 |
| Short circuit protection    | Line Mode                         | Fuse& Firm ware protection                                      |                                 |
|                             | Battery Mode                      | Firm ware protection  |                                 |
| Overload capacity           | Line Mode                         | 110% ± 5%; Go to fault mode after 5 minutes                     |                                 |
|                             |                                   | 120% ± 5%; Go to fault mode immediately.                        |                                 |
|                             | Battery Mode                      | 110% ± 5%; Shutdown after 5 seconds                             |                                 |
|                             |                                   | 120% ± 5%, Shutdown immediately                                 |                                 |
| Battery                     | Battery Configuration             | 2X12V7Ah  | 2X12V9Ah                        |
|                             | Transfer Time                     | 2-6 ms typical  |                                 |
|                             | Back-up time                      | 30 min @ typical load *   | 45 min @ typical load *         |
|                             | Over charge protection            | Yes   |                                 |
|                             | Over discharge protection         | Yes   |                                 |
| Display and alarm Indicator | AC Mode / Batt charging           | Green LED Lighting / Yellow LED lighting                        |                                 |
|                             | Backup Mode                       | Red LED Flashing / Yellow LED off                               |                                 |
|                             | Fault                             | Red LED Lighting  |                                 |
| Audible alarm indicator     | Back up mode                      | Sounding every 10 seconds                                       |                                 |
|                             | Battery low                       | Sounding twice every 1 second                                   |                                 |
|                             | Overload                          | Sounding 6times every 1 second                                  |                                 |
|                             | Fault                             | Continuous sounding   |                                 |
| Others                      | Physical data                     | 338 x 149.3 x 162 mm / 8kg net                                  | 425 x 216 x 196 mm / 11.8kg net |
|                             | Offline Charging                  | Yes   |                                 |
|                             | Green function                    | Yes   |                                 |
|                             | Connectors / AC Surge suppression | 1 x IEC C14 input ; 4 x IEC C13 output connectors / 320J rating |                                 |
|                             | Operating environment             | 0 to +40 C,0 to 90% Relative Humidity(Non-condensing)           |                                 |
|                             | Noise Level                       | Less than 42dB  |                                 |

\* Battery backup to support PC + 15" LCD monitor

## The Range

Robust, economic, reliable, heavy duty, highly efficient, intelligent, superior flexibility, environmentally friendly – these words define GreenWave Midi range, which make it your best choice as economic power protection solution for PCs and small servers in addition to low end automation and control devices protection.

Each of the Midi models, offer several models meeting all your needs for a single phase line-interactive product from 650VA to 1500VA. Models MIDI1200 and MIDI1500 have USB connectivity with power management software.

GreenWave is taking the lead by providing professional customers with an outstanding range of high performance and reliable products.

## Applications:

GreenWave Midi range provides combination of outstanding protection features and flexibility in economic yet efficient products, making it the right choice among competitive products in this range.

## GreenWave products selection:

GreenWave provides you with a wide range of versions that will ensure the right solution and protection of your equipment and extend your protected equipment's lifetime.

Compatible with:



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## Important note!

The technical data enclosed is for general information. Please note that the operating instructions and references indicated on the products are for installation, operation and maintenance.

## Product designations

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