

# UPS Power Proof - Modified Sine Wave



Line-interactive UPS with  
modified sinewave output



Microprocessor  
control guarantess  
high reliability



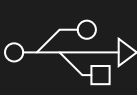
Boost and buck AVR for  
voltage stabilization



Auto restart while  
AC is recovering



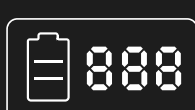
Cold start function



USB communication port  
and RJ-xx protection

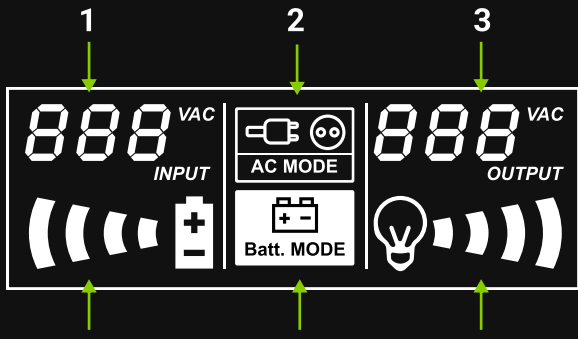


Off-mode charging



LCD Display

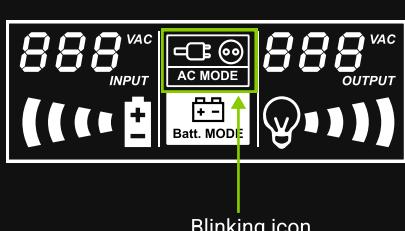
| SKU                                | UPSLM360                                                                                                      |  | UPSLM480       |  | UPSLM600       |  | UPSLM900       |  | UPSLM1200      |  |  |
|------------------------------------|---------------------------------------------------------------------------------------------------------------|--|----------------|--|----------------|--|----------------|--|----------------|--|--|
| EAN                                | 5904326375581                                                                                                 |  | 5904326375598  |  | 5904326375604  |  | 5904326375611  |  | 5904326375628  |  |  |
| Capacity (VA/Watts)                | 650 / 360                                                                                                     |  | 850 / 480      |  | 1000 / 600     |  | 1500 / 900     |  | 2000 / 1200    |  |  |
| Input                              |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| Nominal input voltage              | 220/230/240 VAC                                                                                               |  |                |  |                |  |                |  |                |  |  |
| Operating voltage range            | 162~284 VAC                                                                                                   |  |                |  |                |  |                |  |                |  |  |
| Operating frequency range          | 50 / 60 Hz (auto sensing)                                                                                     |  |                |  |                |  |                |  |                |  |  |
| Output                             |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| AC Voltage regulation (Batt. mode) | ±10%                                                                                                          |  |                |  |                |  |                |  |                |  |  |
| Frequency range (Batt. mode)       | 50 Hz ± 1 Hz or 60 Hz ± 1 Hz                                                                                  |  |                |  |                |  |                |  |                |  |  |
| Transfer time                      | Typical 2-6 ms, 10ms Max.                                                                                     |  |                |  |                |  |                |  |                |  |  |
| Waveform                           | Modified Sine Wave                                                                                            |  |                |  |                |  |                |  |                |  |  |
| Battery                            |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| Battery voltage                    | 12V DC                                                                                                        |  | 12V DC         |  | 24V DC         |  | 24V DC         |  | 24V DC         |  |  |
| Battery Type & Number              | 12V / 7Ah x1                                                                                                  |  | 12V / 9Ah x1   |  | 12V / 7Ah x2   |  | 12V / 9Ah x2   |  | 12V / 9Ah x2   |  |  |
| Typical Recharge Time              | 6 hours recover to 90% capacity                                                                               |  |                |  |                |  |                |  |                |  |  |
| Indicators                         |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| LCD Dispalay                       | AC mode, Battery mode, Load level, Battery level, Input voltage, Output voltage, Overload, Fault, Low battery |  |                |  |                |  |                |  |                |  |  |
| Protection                         |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| Full protection                    | Overload, discharge and overcharge protection                                                                 |  |                |  |                |  |                |  |                |  |  |
| Alarm                              |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| Battery mode                       | Sounding every 10 seconds                                                                                     |  |                |  |                |  |                |  |                |  |  |
| Low battery                        | Sounding every second                                                                                         |  |                |  |                |  |                |  |                |  |  |
| Overload                           | Sounding every 0.5 second                                                                                     |  |                |  |                |  |                |  |                |  |  |
| Battery replacement                | Sounding every 2 seconds                                                                                      |  |                |  |                |  |                |  |                |  |  |
| Fault                              | Continuously sounding                                                                                         |  |                |  |                |  |                |  |                |  |  |
| Management                         |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| Communication port                 | USB-B                                                                                                         |  |                |  |                |  |                |  |                |  |  |
| Operating Environment              |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| Humidity                           | 0 - 90 % RH @ 0 - 40°C (non-condensing)                                                                       |  |                |  |                |  |                |  |                |  |  |
| Noise level                        | Below 55dB                                                                                                    |  |                |  |                |  |                |  |                |  |  |
| Physical                           |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| Approx dimensions                  | 287x100x142 mm                                                                                                |  | 286x100x142 mm |  | 340x146x164 mm |  | 397x146x205 mm |  | 397x146x205 mm |  |  |
| Approx net weight (kg)             | 4,25                                                                                                          |  | 4,9            |  | 8              |  | 11,1           |  | 11,5           |  |  |
| Waga brutto                        |                                                                                                               |  |                |  |                |  |                |  |                |  |  |
| EMC                                | EN 62040-2 and IEC 62040-2, C2.                                                                               |  |                |  |                |  |                |  |                |  |  |



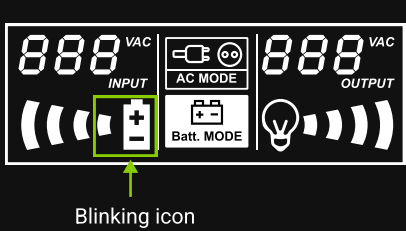
- 1 Input voltage
- 2 Information on mains connection / AVR mode
- 3 Output voltage
- 4 Battery level / Low battery
- 5 Battery mode information
- 6 Battery load level / Power supply overload

## Additional communications:

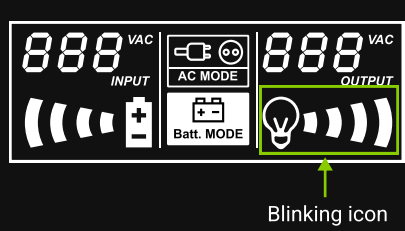
### AVR mode enabled



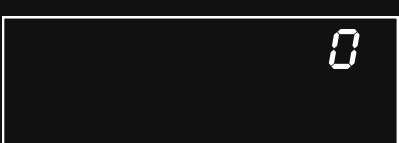
### Low battery



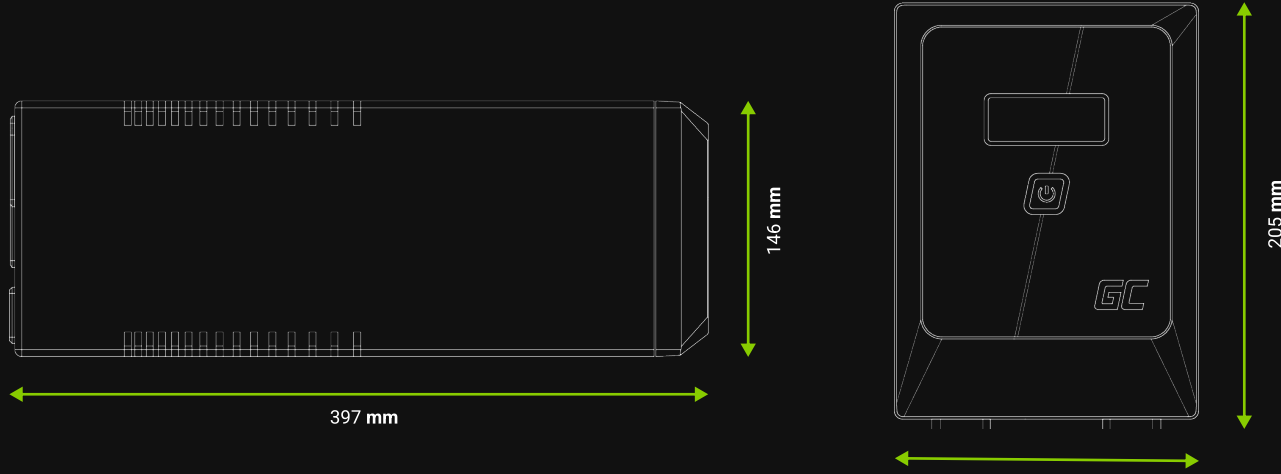
### Power supply overload



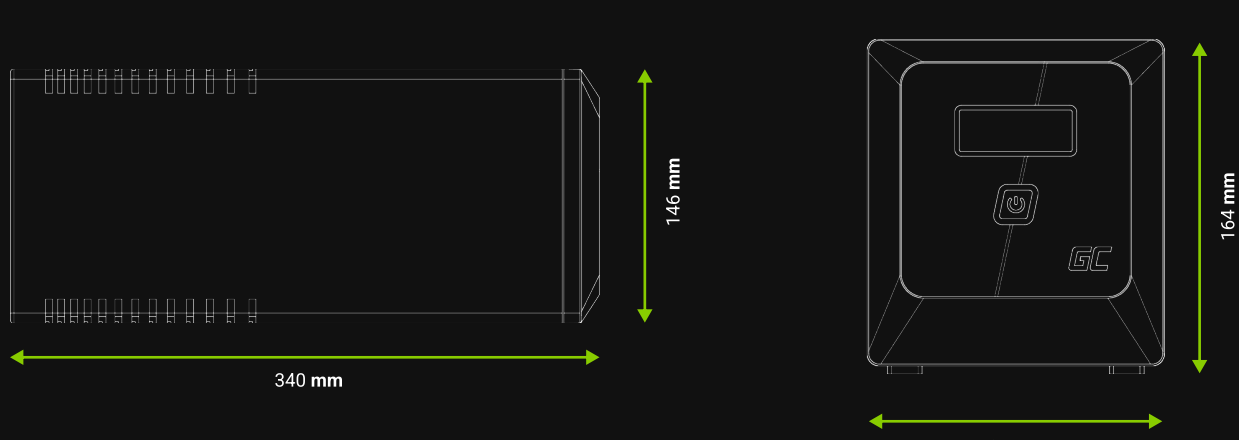
### Fault



## UPSLM900 / UPSLM1200



## UPSLM600



## UPSLM360 / UPSLM480

