

**Алматы** (7273)495-231  
**Ангарск** (3955)60-70-56  
**Архангельск** (8182)63-90-72  
**Астрахань** (8512)99-46-04  
**Барнаул** (3852)73-04-60  
**Белгород** (4722)40-23-64  
**Благовещенск** (4162)22-76-07  
**Брянск** (4832)59-03-52  
**Владивосток** (423)249-28-31  
**Владикавказ** (8672)28-90-48  
**Владимир** (4922)49-43-18  
**Волгоград** (844)278-03-48  
**Вологда** (8172)26-41-59  
**Воронеж** (473)204-51-73  
**Екатеринбург** (343)384-55-89

**Иваново** (4932)77-34-06  
**Ижевск** (3412)26-03-58  
**Иркутск** (395)279-98-46  
**Казань** (843)206-01-48  
**Калининград** (4012)72-03-81  
**Калуга** (4842)92-23-67  
**Кемерово** (3842)65-04-62  
**Киров** (8332)68-02-04  
**Коломна** (4966)23-41-49  
**Кострома** (4942)77-07-48  
**Краснодар** (861)203-40-90  
**Красноярск** (391)204-63-61  
**Курск** (4712)77-13-04 **Курган**  
 (3522)50-90-47 **Липецк**  
 (4742)52-20-81

**Магнитогорск** (3519)55-03-13  
**Москва** (495)268-04-70  
**Мурманск** (8152)59-64-93  
**Набережные Челны** (8552)20-53-41  
**Нижний Новгород** (831)429-08-12  
**Новокузнецк** (3843)20-46-81  
**Ноябрьск** (3496)41-32-12  
**Новосибирск** (383)227-86-73  
**Омск** (3812)21-46-40  
**Орел** (4862)44-53-42  
**Оренбург** (3532)37-68-04  
**Пенза** (8412)22-31-16  
**Петрозаводск** (8142)55-98-37  
**Псков** (8112)59-10-37  
**Пермь** (342)205-81-47

**Ростов-на-Дону** (863)308-18-15  
**Рязань** (4912)46-61-64  
**Самара** (846)206-03-16  
**Санкт-Петербург** (812)309-46-40  
**Саратов** (845)249-38-78  
**Севастополь** (8692)22-31-93  
**Саранск** (8342)22-96-24  
**Симферополь** (3652)67-13-56  
**Смоленск** (4812)29-41-54  
**Сочи** (862)225-72-31  
**Ставрополь** (8652)20-65-13  
**Сургут** (3462)77-98-35  
**Сыктывкар** (8212)25-95-17  
**Тамбов** (4752)50-40-97  
**Тверь** (4822)63-31-35

**Тольятти** (8482)63-91-07  
**Томск** (3822)98-41-53  
**Тула** (4872)33-79-87  
**Тюмень** (3452)66-21-18  
**Ульяновск** (8422)24-23-59  
**Улан-Удэ** (3012)59-97-51  
**Уфа** (347)229-48-12  
**Хабаровск** (4212)92-98-04  
**Чебоксары** (8352)28-53-07  
**Челябинск** (351)202-03-61  
**Череповец** (8202)49-02-64  
**Чита** (3022)38-34-83  
**Якутск** (4112)23-90-97  
**Ярославль** (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия  
+996(312)96-26-47

<https://unitronic.nt-rt.ru> || [uci@nt-rt.ru](mailto:uci@nt-rt.ru)

## Single Phase High Frequency Online UPS 110VAC 1-3KVA



| Model           | UL1101KS                                 | UL1101KL | UL1102KS | UL1102KL | UL1103KS | UL1103KL |
|-----------------|--|----------|----------|----------|----------|----------|
| Capacity        | 1kVA/1kW                                 |          | 2kVA/2kW |          | 3kVA/3kW |          |
| <b>Input</b>    |  |          |          |          |          |          |
| Nominal Voltage | 100/ 110/115/120/127Vac, L+N+PE          |          |          |          |          |          |
| Voltage Range   | 55~150Vac                                |          |          |          |          |          |
| Frequency Range | 40~70Hz                                  |          |          |          |          |          |
| Power Factor    | ≥0.99                                    |          |          |          |          |          |
| THDi            | ≤4% (linear load); ≤5% (non-linear load) |          |          |          |          |          |

| Output                     |   |
|----------------------------|---|
| Nominal Voltage            | 100/ 110/115/120/127Vac, L+N+PE                                   |
| Voltage Regulation         | ±1%   |
| Frequency                  | 50/60Hz ± 0.1%  |
| THDu<br>Hamonic Distrotion | ≤2% (linear load); ≤5% (non-linear load)                          |
| Transfer Time              | Line mode to battery mode, 0ms; inverter mode to bypass mode ,4ms |

| Waveform                            | Pure sine wave  |       |       |       |       |       |
|-------------------------------------|---|-------|-------|-------|-------|-------|
| Overload Capacity<br>(Line Mode)    | 102%~110% load, 10min; 110%~130% load,1min;<br>130%~150% load, 10s; >150% load, 200ms |       |       |       |       |       |
| Overload Capacity<br>(Battery Mode) | 102%~110% load, 1 min; 110%~130% load,10s;<br>130%~150% load, 3s; >150% load, 200ms   |       |       |       |       |       |
| Crest Factor                        | 3:1   |       |       |       |       |       |
| Efficiency                          |   |       |       |       |       |       |
| Line Mode                           | 93.5%   |       | 94.5% |       | 94.5% |       |
| Battery Mode                        | 89.5%   | 90.5% | 92.5% | 93.5% | 93.5% | 92.5% |
| ECO Mode                            | 98%   |       |       |       |       |       |

| <b>Battery</b>       |          |                |          |                |          |                |
|----------------------|----------|----------------|----------|----------------|----------|----------------|
| Battery Voltage      | 24Vdc    | 36Vdc          | 48Vdc    | 72Vdc          | 72Vdc    | 96Vdc          |
| Battery Number       | 9Ah*2pcs | External       | 9Ah*4pcs | External       | 9Ah*6pcs | External       |
| Charging Current     | 1A       | 1~12A settable | 1A       | 1~12A settable | 1A       | 1~12A settable |
| <b>Communication</b> |          |                |          |                |          |                |

|                       |                                    |
|-----------------------|------------------------------------|
| Operation Temperature | 0~40°C                             |
| Humidity              | 0~95% (non-condensing)             |
| Noise                 | ≤50dB@1 meter away                 |
| Altitude              | Up to 1000 meters without derating |

| <b>Physical</b>      |             |             |             |             |             |     |
|----------------------|-------------|-------------|-------------|-------------|-------------|-----|
| Dimensions (W*D*H)mm | 145*405*224 | 145*282*224 | 190*410*322 | 190*410*322 | 190*410*322 |     |
| Weight (kg)          | 10.7        | 5.7         | 19.2        | 8.6         | 24          | 8.8 |

**Алматы** (7273)495-231  
**Ангарск** (3955)60-70-56  
**Архангельск** (8182)63-90-72  
**Астрахань** (8512)99-46-04  
**Барнаул** (3852)73-04-60  
**Белгород** (4722)40-23-64  
**Благовещенск** (4162)22-76-07  
**Брянск** (4832)59-03-52  
**Владивосток** (423)249-28-31  
**Владикавказ** (8672)28-90-48  
**Владимир** (4922)49-43-18  
**Волгоград** (844)278-03-48  
**Вологда** (8172)26-41-59  
**Воронеж** (473)204-51-73  
**Екатеринбург** (343)384-55-89

**Иваново** (4932)77-34-06  
**Ижевск** (3412)26-03-58  
**Иркутск** (395)279-98-46  
**Казань** (843)206-01-48  
**Калининград** (4012)72-03-81  
**Калуга** (4842)92-23-67  
**Кемерово** (3842)65-04-62  
**Киров** (8332)68-02-04  
**Коломна** (4966)23-41-49  
**Кострома** (4942)77-07-48  
**Краснодар** (861)203-40-90  
**Красноярск** (391)204-63-61  
**Курск** (4712)77-13-04  
**Курган** (3522)50-90-47  
**Липецк** (4742)52-20-81

**Магнитогорск** (3519)55-03-13  
**Москва** (495)268-04-70  
**Мурманск** (8152)59-64-93  
**Набережные Челны** (8552)20-53-41  
**Нижний Новгород** (831)429-08-12  
**Новокузнецк** (3843)20-46-81  
**Ноябрьск** (3496)41-32-12  
**Новосибирск** (383)227-86-73  
**Омск** (3812)21-46-40  
**Орел** (4862)44-53-42  
**Оренбург** (3532)37-68-04  
**Пенза** (8412)22-31-16  
**Петрозаводск** (8142)55-98-37  
**Псков** (8112)59-10-37  
**Пермь** (342)205-81-47

**Ростов-на-Дону** (863)308-18-15  
**Рязань** (4912)46-61-64  
**Самара** (846)206-03-16  
**Санкт-Петербург** (812)309-46-40  
**Саратов** (845)249-38-78  
**Севастополь** (8692)22-31-93  
**Саранск** (8342)22-96-24  
**Симферополь** (3652)67-13-56  
**Смоленск** (4812)29-41-54  
**Сочи** (862)225-72-31  
**Ставрополь** (8652)20-65-13  
**Сургут** (3462)77-98-35  
**Сыктывкар** (8212)25-95-17  
**Тамбов** (4752)50-40-97  
**Тверь** (4822)63-31-35

**Тольятти** (8482)63-91-07  
**Томск** (3822)98-41-53  
**Тула** (4872)33-79-87  
**Тюмень** (3452)66-21-18  
**Ульяновск** (8422)24-23-59  
**Улан-Удэ** (3012)59-97-51  
**Уфа** (347)229-48-12  
**Хабаровск** (4212)92-98-04  
**Чебоксары** (8352)28-53-07  
**Челябинск** (351)202-03-61  
**Череповец** (8202)49-02-64  
**Чита** (3022)38-34-83  
**Якутск** (4112)23-90-97  
**Ярославль** (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47