



# NW Series

## Online UPS 10~1kVA

- » 3 level Technology
- » Output PF up to 1.0
- » AC/AC efficiency up to 95%
- » High power density design
- » Comformal coating for all PCB

### High Reliable

- Wide input voltage range for higher grid adaptability
- Full DSP control for top performance
- Anti-corrosion resistant coating for all PCB boards
- Generator compatible ensure the clean power for extend power outage
- EPO function as standard for immediatly remove power from connected load for emergency
- Separate bypass, input and battery breaker for 6-10KVA big cabinet model

### Flexible Design:

- Multiple socket for 1-3KVA for global application
- Output voltage and ECO mode are selectable via LCD
- Input frequency range and Bypass enable by software
- 1~8A charging current settable via software (6-10KVA)
- Batteries number settable via software (16/17/18/19/20 for 6-10kVA)
- Wheel for 6-10KVA which is easy for moving

### Optional:

- SNMP/USB/dry contact slot card
- Addtional 4A charger for 1-3KVA long back up
- Battery disconnection alarm
- Charging voltage temperature compensation

### Typical Applications:



Telecom



Local Area Networks



E-business



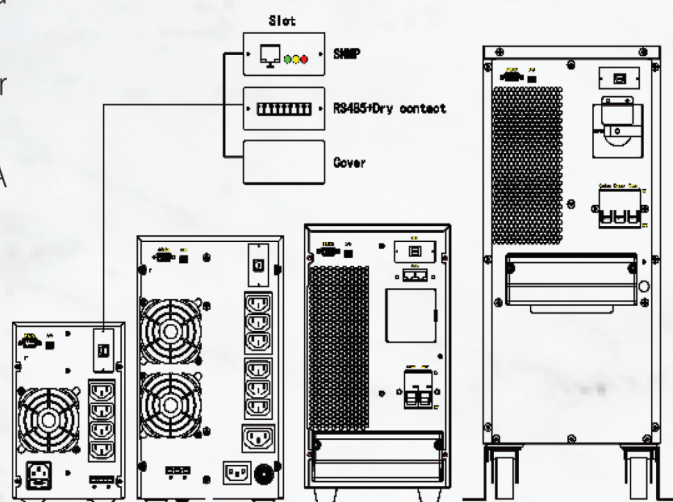
Servers



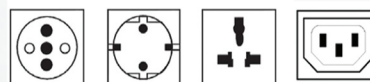
Cash Registers



Security



### Available Socket:



### Technical Specification:

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|--------------------------|-----------------------------------|-----------|-----------|-----------|------------|
| MODEL                    | NW1000(L)                         | NW2000(L) | NW3000(L) | NW6000(L) | NW10000(L) |
| Input                    |                                   |           |           |           |            |
| Voltage (Vac)            | 120~295                           |           |           | 80~275    |            |
| Frequency (Hz)           | 50/60± 10% (50/60Hz auto-sensing) |           |           |           |            |
| Power Factor             | ≥0.99                             |           |           |           |            |
| THDi at full linear load | <4%                               |           |           |           |            |

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-----------------------------------------------------------------------------|------------|
| Input                      |                                                                                                                                |             |           |                                                                             |            |
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| Frequency (Hz)             | 50/60± 10% (50/60Hz auto-sensing)                                                                                              |             |           |                                                                             |            |
| Power Factor               | ≥0.99                                                                                                                          |             |           |                                                                             |            |
| THDi at full linear load   | <4%                                                                                                                            |             |           |                                                                             |            |
| Output                     |                                                                                                                                |             |           |                                                                             |            |
| Capacity (VA)              | 1000                                                                                                                           | 2000        | 3000      | 6000                                                                        | 10000      |
| AC/AC Efficiency (Max.)    | 92%                                                                                                                            | 93%         | 94%       | 95%                                                                         | 95%        |
| Power Factor               | 0.9 (1.0 optional)                                                                                                             |             |           |                                                                             |            |
| Voltage (Vac)              | 208/220/230/240±1% (selectable on display panel)                                                                               |             |           |                                                                             |            |
| Frequency (Hz)             | 50/60±0.2% (battery mode)                                                                                                      |             |           |                                                                             |            |
| THDv                       | THD<2% (linear load);THD<5% (nonlinear load)                                                                                   |             |           | THD<1% (linear load);THD<4% (nonlinear load)                                |            |
| Overload*                  | 101%~130% load for 10 min, 131%~150% load for 1s, above 150% load for 200ms                                                    |             |           | 101~105% Long run, 106~130% load for 10mins, 131~150% 30s, over 150% 500ms. |            |
| Transfer Time              | 0                                                                                                                              |             |           |                                                                             |            |
| Current Crest Ratio        | 3:1                                                                                                                            |             |           |                                                                             |            |
| Battery                    |                                                                                                                                |             |           |                                                                             |            |
| Voltage (Standard)(Vdc)    | 24                                                                                                                             | 48          | 72        | 192~240                                                                     |            |
| BATT Type (Standard)       | 2×9Ah                                                                                                                          | 4×9Ah       | 6×9Ah     | 16×7Ah                                                                      | 16×9Ah     |
| Voltage (Long Backup)(Vdc) | 36                                                                                                                             | 72          | 96        | 192~240                                                                     |            |
| BATT Type (Long Backup)    | External                                                                                                                       |             |           | External 16~20 units settable                                               |            |
| Charger Current (A) Max.   | 1(Standard), 4(Long back up)                                                                                                   |             |           | 1~8 (adjustable)                                                            |            |
| Other                      |                                                                                                                                |             |           |                                                                             |            |
| Communication Interface    | RS232+EPO (USB,SNMP, RS485+dry contact are optional in slot)                                                                   |             |           |                                                                             |            |
| LCD Display                | AC input & output voltage, frequency, Load level, Battery level, Temperature;<br>AC mode, Battery mode, Bypass mode, and Fault |             |           |                                                                             |            |
| Alarm                      | Low battery, abnormal AC input, UPS failure, etc.                                                                              |             |           |                                                                             |            |
| Protection                 | Low battery, overload, short-circuit and over temperature, etc.                                                                |             |           |                                                                             |            |
| Noise (dB)                 | <45                                                                                                                            | <48         | <52       | <55                                                                         |            |
| Working Temperature (°C)   | -5 ~ 40                                                                                                                        |             |           |                                                                             |            |
| Relative Humidity          | 0 ~ 95%, No condensation                                                                                                       |             |           |                                                                             |            |
| Regulatory Approvals       | CE                                                                                                                             |             |           |                                                                             |            |
| Dimension (WxDxH)(mm)      | 145×360×225                                                                                                                    | 190×400×330 |           | 230×502×553(Standard)<br>190×422×337 (Long Backup)                          |            |
| Weight(Standard) (kg)      | 9.2                                                                                                                            | 17.7        | 22.9      | 54.5                                                                        | 56.2       |
| Weight (Long Backup)(kg)   | 4.5                                                                                                                            | 8.5         | 9.2       | 10.9                                                                        | 12.5       |

- Specification is subject to change without prior notice.
- \* Condition Comply.

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