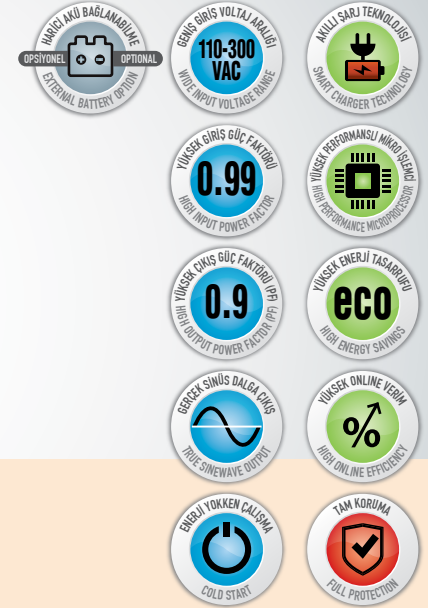


**TUNCMATIK**  
**NEWTECH PRO II X9**  
**1/2/3 kVA**  
**ONLINE UPS**



#### Real double conversion online technology

Online UPSs are an ideal choice especially for computers and other sensitive equipment. Online UPS completely isolates your equipment from the mains, charges its batteries from mains power and by using kinds of filters, supplies connected loads with power. As a result all unwanted conditions that may occur in mains are filtered by online UPS and your sensitive equipment is supplied with clean energy.

#### Real sine wave output

Fully compatible with all kinds of equipment. Ideal for medical and critical applications.

#### Wide input voltage range (110-300 VAC)

Online operation with very low and high voltages without using battery power.

#### Input power factor correction (PF=0.99)

Reduces consumed electrical energy and yields saving in electric bills.

#### High output power factor (PF=0.9)

28% more power at the output in comparison to standard 0.7 power factor UPS systems. Can support more equipment.

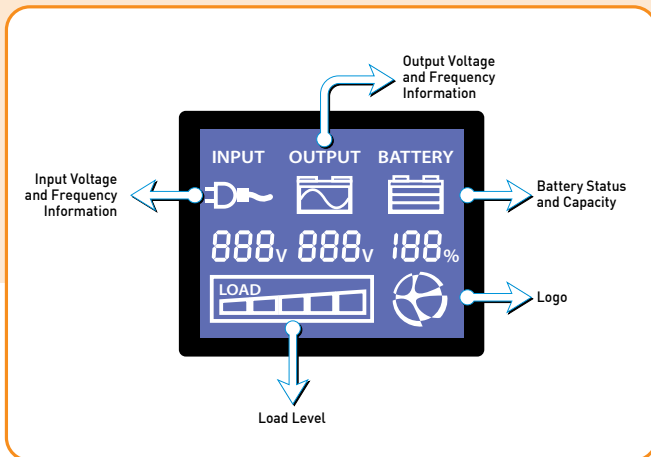
#### Smart charger technology for optimum battery performance

Provides longer battery life and lower operational costs due to special charging technique.

#### High performance microprocessor

Because of its CPU control, digital structure and high speed; UPS performs overload, short circuit, low-high voltage and overtemperature protections. By providing complete protection ensures a stable and reliable operation.

| NEWTECH PRO II X9<br>1 kVA                        | NEWTECH PRO II X9<br>2 kVA                        | NEWTECH PRO II X9<br>3 kVA                        |
|---|---|---|
| KAPASİTE / CAPACITY                               | KAPASİTE / CAPACITY                               | KAPASİTE / CAPACITY                               |
| 3 PC<br>3 MONITOR                                 | 6 PC<br>6 MONITOR                                 | 9 PC<br>9 MONITOR                                 |
| 1 PRINTER<br>1 PC 30 dk/min<br>Yaklaşık / approx. | 2 PRINTER<br>2 PC 30 dk/min<br>Yaklaşık / approx. | 3 PRINTER<br>3 PC 30 dk/min<br>Yaklaşık / approx. |



#### MULTI FUNCTION BUTTONS

- 208/220/230/240 VAC Selectable Output Voltage
- 50/60 Hz Frequency Converter Mode
- ECO Mode High Energy Savings

Everything is under control with multi function, easy to read LCD panel. New advanced LCD panel shows functions, input and output readings, and alarms.

**TUNCMATIK**  
**NEWTECH PRO II X9**  
**1/2/3 kVA**  
**ONLINE UPS**



| CAPACITY                             |                            | 1000 VA<br>900 W   |                                      | 2000 VA<br>1800 W |                                      | 3000 VA<br>2700 W |                                      |
|--------------------------------------|----------------------------|--|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|
| INPUT                                |                            |  |                                      |                   |                                      |                   |                                      |
| Nominal voltage                      |                            | 200 / 208 / 220 / 230 / 240 VAC  |                                      |                   |                                      |                   |                                      |
| Voltage range                        | Low voltage transfer       | @100%-80% load 160 VAC ±5%, @80%-70% load 140 VAC ±5%, @70%-60% load 120 VAC ±5%, @60%-0% load 110 VAC ±5%, (<35°C)  |                                      |                   |                                      |                   |                                      |
|                                      | Low voltage back transfer  | @100%-80% load 175 VAC ±5%, @80%-70% load 155 VAC ±5%, @70%-60% load 135 VAC ±5%, @60%-0% load 125 VAC ±5%, (<35°C)  |                                      |                   |                                      |                   |                                      |
|                                      | High voltage transfer      | 300 VAC ± 5%   |                                      |                   |                                      |                   |                                      |
|                                      | High voltage back transfer | 290 VAC ± 5%   |                                      |                   |                                      |                   |                                      |
| Frequency range                      |                            | 40 Hz ~ 70 Hz  |                                      |                   |                                      |                   |                                      |
| Power factor                         |                            | @100% load 0.990 (Nominal input voltage)   |                                      |                   |                                      |                   |                                      |
| Bypass voltage range                 |                            | Bypass high voltage point 200/208/220/230/240 VAC output models: <b>230-264</b> : can be adjusted from LCD panel. (Defaults: 264VAC)<br>Bypass high voltage point 200/208/220/230/240 VAC output models: <b>170-220</b> : can be adjusted from LCD panel. (Defaults: 170VAC) |                                      |                   |                                      |                   |                                      |
| Phase                                |                            | Single phase + Ground  |                                      |                   |                                      |                   |                                      |
| OUTPUT                               |                            |  |                                      |                   |                                      |                   |                                      |
| Voltage                              |                            | 200 / 208 / 220 / 230 / 240 VAC  |                                      |                   |                                      |                   |                                      |
| Output power factor (PF)             |                            | 0.9  |                                      |                   |                                      |                   |                                      |
| AC voltage regulation (Battery mode) |                            | ± 1%   |                                      |                   |                                      |                   |                                      |
| Frequency range (Synchronized)       |                            | 47 Hz ~ 53 Hz or 57 Hz ~ 63 Hz   |                                      |                   |                                      |                   |                                      |
| Frequency range (Battery mode)       |                            | 50 Hz or 60 Hz ± 0.1 Hz  |                                      |                   |                                      |                   |                                      |
| Overload                             | Line mode                  | 105-110% transfer to by-pass in 10min, 110-130% transfer to by-pass in 1min, 130-150% transfer to by-pass in 3sec  |                                      |                   |                                      |                   |                                      |
|                                      | Battery mode               | 105-110% transfer to by-pass in 1min, >110% transfer to by-pass in 3sec  |                                      |                   |                                      |                   |                                      |
| Current crest ratio                  |                            | 3:1 max  |                                      |                   |                                      |                   |                                      |
| Harmonic distortion                  |                            | ≤ 3% THD (linear load)<br>≤ 6% THD (non-linear load)   |                                      |                   |                                      |                   |                                      |
| Transfer time                        | Line ↔ Battery             | 0 msec   |                                      |                   |                                      |                   |                                      |
|                                      | Inverter ↔ By-pass         | 4 msec (typical)   |                                      |                   |                                      |                   |                                      |
| Waveform (Battery mode)              |                            | Pure sinewave  |                                      |                   |                                      |                   |                                      |
| EFFICIENCY                           |                            |  |                                      |                   |                                      |                   |                                      |
| Line mode                            |                            | ~ 88%  |                                      | ~ 89%             |                                      | ~ 90%             |                                      |
| Battery mode                         |                            | ~ 83%  |                                      | ~ 87%             |                                      | ~ 88%             |                                      |
| BATTERY                              |                            |  |                                      |                   |                                      |                   |                                      |
| Type of battery                      |                            | 12V9AH   | Depends on external battery capacity | 12V9AH            | Depends on external battery capacity | 12V9AH            | Depends on external battery capacity |
| Number of battery                    |                            | 2  | 2                                    | 4                 | 4                                    | 6                 | 6                                    |
| Charge time                          |                            | Depends on external battery capacity   |                                      |                   |                                      |                   |                                      |
| Charge voltage                       |                            | 27.4 VDC ± 1%  | 27.4 VDC ± 1%                        | 54.7 VDC ± 1%     | 54.7 VDC ± 1%                        | 82.1 VDC ± 1%     | 82.1 VDC ± 1%                        |
| Charge current                       |                            | 1A   | 12A                                  | 1A                | 12A                                  | 1A                | 12A                                  |
| INDICATORS & ALARM                   |                            |  |                                      |                   |                                      |                   |                                      |
| LCD Panel                            |                            | UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, Fault conditions   |                                      |                   |                                      |                   |                                      |
| Alarm                                |                            | Battery mode, Low battery, Overload, Fault   |                                      |                   |                                      |                   |                                      |
| DIMENSIONS & WEIGHT                  |                            |  |                                      |                   |                                      |                   |                                      |
| D x W x H (mm)                       |                            | 293 x 144 x 209  | 293 x 144 x 209                      | 399 x 144 x 209   | 399 x 144 x 209                      | 460 x 191 x 337   | 399 x 144 x 209                      |
| Net weight (kg)                      |                            | 8.9  | 4.2                                  | 16.2              | 6.3                                  | 24.8              | 6.5                                  |
| ENVIRONMENTAL                        |                            |  |                                      |                   |                                      |                   |                                      |
| Operating temperature                |                            | 0-40°C   |                                      |                   |                                      |                   |                                      |
| Humidity                             |                            | 20-90% RH (non-condensing)   |                                      |                   |                                      |                   |                                      |
| Noise level (audible)                |                            | < 50 dBA, from 1m  |                                      |                   |                                      |                   |                                      |
| MANAGEMENT                           |                            |  |                                      |                   |                                      |                   |                                      |
| Smart RS-232 or USB                  |                            | Windows® 98/2000/2003/XP/Vista/2008, Windows® 7/8, Linux, MAC  |                                      |                   |                                      |                   |                                      |
| SNMP (Optional)                      |                            | Power management from SNMP manager and web browser   |                                      |                   |                                      |                   |                                      |