

### Features

- True double-conversion online UPS
- Output power factor 0.9
- User-friendly and easy-shift LCD display
- Rack/Tower design
- Programmable power management outlets
- 50/60Hz frequency converter mode
- ECO and advanced ECO mode for energy saving
- Emergency power off function (EPO)
- Hot-swappable battery design



| MODEL                                | Custos 9X* 1K                                                                       | Custos 9X* 1K(L)   | Custos 9X* 1.5K                 | Custos 9X* 1.5K(L) | Custos 9X* 2K                   | Custos 9X* 2K(L)   | Custos 9X* 3K                   | Custos 9X* 3K(L)   |
|--------------------------------------|-------------------------------------------------------------------------------------|--------------------|---------------------------------|--------------------|---------------------------------|--------------------|---------------------------------|--------------------|
| PHASE                                | Single phase with ground                                                            |                    |                                 |                    |                                 |                    |                                 |                    |
| CAPACITY                             | 1000VA / 900W                                                                       | 1000VA / 800W      | 1500VA / 1350W                  | 1500VA / 1200W     | 2000VA / 1800W                  | 2000VA / 1600W     | 3000VA / 2700W                  | 3000VA / 2400W     |
| INPUT                                |                                                                                     |                    |                                 |                    |                                 |                    |                                 |                    |
| Nominal Voltage                      | 100* / 110* / 115* / 120 / 127Vac or 200 / 208 / 220 / 230 / 240Vac                 |                    |                                 |                    |                                 |                    |                                 |                    |
| Voltage Range                        | 55-150Vac ± 5% or 110-300Vac ± 5%                                                   |                    |                                 |                    |                                 |                    |                                 |                    |
| Frequency Range                      | 40~70 Hz                                                                            |                    |                                 |                    |                                 |                    |                                 |                    |
| Phase                                | Single phase with ground                                                            |                    |                                 |                    |                                 |                    |                                 |                    |
| Power Factor                         | ≥ 0.99 @ nominal voltage (100% load)                                                |                    |                                 |                    |                                 |                    |                                 |                    |
| OUTPUT                               |                                                                                     |                    |                                 |                    |                                 |                    |                                 |                    |
| Output Voltage                       | 100* / 110* / 115* / 120 / 127Vac or 200 / 208 / 220 / 230 / 240Vac                 |                    |                                 |                    |                                 |                    |                                 |                    |
| AC Voltage Regulation (Batt. Mode)   | ± 1%                                                                                |                    |                                 |                    |                                 |                    |                                 |                    |
| Frequency Range (Synchronized Range) | 47~53Hz or 57~63Hz                                                                  |                    |                                 |                    |                                 |                    |                                 |                    |
| Frequency Range (Batt. Mode)         | 50Hz ± 0.5% or 60Hz ± 0.5%                                                          |                    |                                 |                    |                                 |                    |                                 |                    |
| Current Crest Ratio                  | 5:1 (max.)                                                                          |                    |                                 |                    |                                 |                    |                                 |                    |
| Harmonic Distortion                  | ≤ 2% THD (Linear Load); ≤ 4% THD (Non-linear Load)                                  |                    |                                 |                    |                                 |                    |                                 |                    |
| Transfer Time                        | Zero                                                                                |                    |                                 |                    |                                 |                    |                                 |                    |
|                                      | AC Mode to Batt. Mode                                                               |                    |                                 |                    |                                 |                    |                                 |                    |
|                                      | Inverter to Bypass                                                                  |                    |                                 |                    |                                 |                    |                                 |                    |
| Waveform (Batt. Mode)                | 4 ms (Typical)                                                                      |                    |                                 |                    |                                 |                    |                                 |                    |
|                                      | Pure Sinewave                                                                       |                    |                                 |                    |                                 |                    |                                 |                    |
| EFFICIENCY                           |                                                                                     |                    |                                 |                    |                                 |                    |                                 |                    |
| AC Mode                              | 87%                                                                                 |                    | 88%                             |                    | 88%                             |                    | 89%                             |                    |
| ECO Mode                             | 94%                                                                                 |                    | 95%                             |                    | 95%                             |                    | 97%                             |                    |
| Battery Mode                         | 85%                                                                                 |                    | 86%                             |                    | 86%                             |                    | 87%                             |                    |
| BATTERY                              |                                                                                     |                    |                                 |                    |                                 |                    |                                 |                    |
| Battery Type                         | 12V / 9Ah                                                                           | Depending on       | 12V / 9Ah                       | Depending on       | 12V / 9Ah                       | Depending on       | 12V / 9Ah                       | Depending on       |
| Numbers                              | 2                                                                                   | the capacity of    | 3                               | the capacity of    | 4                               | the capacity of    | 6                               | the capacity of    |
| Typical Recharge Time                | 4 hours recover to 90% capacity                                                     | external batteries | 4 hours recover to 90% capacity | external batteries | 4 hours recover to 90% capacity | external batteries | 4 hours recover to 90% capacity | external batteries |
| Charging Current (max.)              | 1.0A                                                                                | 1A / 2A / 4A / 8A  | 1.0A                            | 1A / 2A / 4A / 8A  | 1.0A                            | 1A / 2A / 4A / 8A  | 1.0A                            | 1A / 2A / 4A / 8A  |
| Charging Voltage                     | 27.4Vdc ± 1%                                                                        |                    | 41.1Vdc ± 1%                    |                    | 54.7Vdc ± 1%                    |                    | 82.1Vdc ± 1%                    |                    |
| INDICATORS                           |                                                                                     |                    |                                 |                    |                                 |                    |                                 |                    |
| LCD Panel                            | Load level, Battery level, AC mode, Battery mode, Bypass mode and Fault indicator   |                    |                                 |                    |                                 |                    |                                 |                    |
| ALARM                                |                                                                                     |                    |                                 |                    |                                 |                    |                                 |                    |
| Battery Mode                         | Beeps every 4 seconds                                                               |                    |                                 |                    |                                 |                    |                                 |                    |
| Low Battery                          | Beeps every second                                                                  |                    |                                 |                    |                                 |                    |                                 |                    |
| Overload                             | Beeps twice every second                                                            |                    |                                 |                    |                                 |                    |                                 |                    |
| Fault                                | Continuously beeping                                                                |                    |                                 |                    |                                 |                    |                                 |                    |
| PHYSICAL                             |                                                                                     |                    |                                 |                    |                                 |                    |                                 |                    |
| Dimension, D X W X H (mm)            | 410 x 438 x 88[2U]                                                                  |                    | 510 x 438 x 88[2U]              |                    | 510 x 438 x 88[2U]              |                    | 630 x 438 x 88[2U]              |                    |
| Net Weight (kgs)                     | 12.9                                                                                | 8.6                | 17.6                            | 10.7               | 20.6                            | 11.3               | 28                              | 13.8               |
| ENVIRONMENT                          |                                                                                     |                    |                                 |                    |                                 |                    |                                 |                    |
| Humidity                             | 20-90% RH @ 0- 40°C (non-condensing)                                                |                    |                                 |                    |                                 |                    |                                 |                    |
| Noise Level                          | Less than 50dBA @ 1 Meter                                                           |                    |                                 |                    |                                 |                    |                                 |                    |
| MANAGEMENT                           |                                                                                     |                    |                                 |                    |                                 |                    |                                 |                    |
| Smart RS-232 / USB                   | Supports Windows® 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10, Linux, Unix and MAC |                    |                                 |                    |                                 |                    |                                 |                    |
| Optional SNMP                        | Power management from SNMP manager and web browser                                  |                    |                                 |                    |                                 |                    |                                 |                    |

\* \*Derate capacity to 95% when the output voltage is adjusted to 115Vac, derate capacity to 90% when the output voltage is adjusted to 110Vac and derate capacity to 80% when the output voltage is adjusted to 100Vac

\* Product specifications are subject to change without further notice