

# APRT 11X 1KVA/1.5KVA/2KVA/3KVA



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



TESTED TO  
UL 1778

For UL and cTUVus spec, please check our sales directly.

## APRT X 1KVA/1.5KVA/2KVA/3KVA Rack/Tower Online UPS Selection Guide

| MODEL                                | APRT 1K (L)  |   | APRT 1.5K (L)   |                     | APRT 2K (L)     |                     | APRT 3K (L)     |                     |  |
|--------------------------------------|--|---|-----------------|---------------------|-----------------|---------------------|-----------------|---------------------|--|
| <b>PHASE</b>                         | Single phase with ground   |   |                 |                     |                 |                     |                 |                     |  |
| <b>CAPACITY</b> VA/W                 | 1000 VA / 900W   |   | 1500 VA / 1350W |                     | 2000 VA / 1800W |                     | 3000 VA / 2700W |                     |  |
| <b>INPUT</b>                         |  |   |                 |                     |                 |                     |                 |                     |  |
| Nominal Voltage                      | 100*/110*/115*/120 /127 VAC or 200/208/220/230/240 VAC   |   |                 |                     |                 |                     |                 |                     |  |
| Voltage Range                        | 55-150 VAC ± 5% or 110-300 VAC ± 5% @ 50% load ; 80-150 VAC ± 5% or 160-300 VAC ± 5% @ 100% load |   |                 |                     |                 |                     |                 |                     |  |
| Frequency Range                      | 40Hz ~ 70Hz  |   |                 |                     |                 |                     |                 |                     |  |
| Harmonic Distortion(THDi)            | ≤ 5% @ nominal input voltage   |   |                 |                     |                 |                     |                 |                     |  |
| Power Factor                         | ≥ 0.99 @ Nominal Voltage (100% Load)   |   |                 |                     |                 |                     |                 |                     |  |
| <b>OUTPUT</b>                        |  |   |                 |                     |                 |                     |                 |                     |  |
| Output Voltage                       | 100*/110*/115*/120/127 VAC or 200/208/220/230/240 VAC  |   |                 |                     |                 |                     |                 |                     |  |
| AC Voltage Regulation (Batt. Mode)   | ± 1%   |   |                 |                     |                 |                     |                 |                     |  |
| Frequency Range (Synchronized Range) | 57 ~ 63 Hz or 47 ~ 53 Hz   |   |                 |                     |                 |                     |                 |                     |  |
| Frequency Range (Batt. Mode)         | 60Hz ± 0.1Hz or 50 Hz ± 0.1Hz  |   |                 |                     |                 |                     |                 |                     |  |
| Current Crest Ratio                  | 3:1 (max.)   |   |                 |                     |                 |                     |                 |                     |  |
| Harmonic Distortion                  | ≤ 2 % THD (Linear Load) ; ≤ 4 % THD (Non-linear load)  |   |                 |                     |                 |                     |                 |                     |  |
| Transfer Time                        | AC Mode to Battery Mode  |   | Zero            |                     |                 |                     |                 |                     |  |
|                                      | Inverter to Bypass   |   | 4 ms (Typical)  |                     |                 |                     |                 |                     |  |
| Waveform (Batt. Mode)                | Pure Sinewave  |   |                 |                     |                 |                     |                 |                     |  |
| <b>EFFICIENCY</b>                    |  |   |                 |                     |                 |                     |                 |                     |  |
| AC Mode                              | 90%  |   | 90%             |                     | 91%             |                     | 91%             |                     |  |
| ECO Mode                             | 97%  |   | 97%             |                     | 97%             |                     | 97%             |                     |  |
| Battery Mode                         | 88%  | 89%   | 89%             | 88%                 | 89%             | 80%                 |                 |                     |  |
| <b>BATTERY</b>                       |  |   |                 |                     |                 |                     |                 |                     |  |
| Standard Model                       | Battery Type   | 12 V / 9 Ah                                     | 12 V / 7 Ah     | 12 V / 9 Ah         | 12 V / 9 Ah     | 12 V / 7 Ah         | 12 V / 9 Ah     |                     |  |
|                                      | Numbers  | 2   | 3               | 3                   | 4               | 6                   | 6               |                     |  |
|                                      | Typical Recharge Time  | 4 hours recover to 90% capacity                 |                 |                     |                 |                     |                 |                     |  |
|                                      | Charging Current (max.)  | 1.5 A*  |                 |                     |                 |                     |                 |                     |  |
|                                      | Charging Voltage   | 27.4 VDC ± 1%                                   | 41.1 VDC ± 1%   | 41.1 VDC ± 1%       | 54.8 VDC ± 1%   | 82.1 VDC ± 1%       | 82.1 VDC ± 1%   |                     |  |
| Long-run Model                       | Battery Type   | Depending on the capacity of external batteries |                 |                     |                 |                     |                 |                     |  |
|                                      | Numbers  | 2   | 3               | 3                   | 4               | 6                   | 6               |                     |  |
|                                      | Charging Current (max.)  | 1A / 2A / 4A / 8A                               |                 |                     |                 |                     |                 |                     |  |
|                                      | Charging Voltage   | 27.4 VDC ± 1%                                   | 41.1 VDC ± 1%   | 41.1 VDC ± 1%       | 54.8 VDC ± 1%   | 82.1 VDC ± 1%       | 82.1 VDC ± 1%   |                     |  |
| <b>INDICATORS</b>                    |  |   |                 |                     |                 |                     |                 |                     |  |
| LCD Display                          | Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator               |   |                 |                     |                 |                     |                 |                     |  |
| <b>ALARM</b>                         |  |   |                 |                     |                 |                     |                 |                     |  |
| Battery Mode                         | Sounding every 4 seconds   |   |                 |                     |                 |                     |                 |                     |  |
| Low Battery                          | Sounding every second  |   |                 |                     |                 |                     |                 |                     |  |
| Overload                             | Sounding twice every second  |   |                 |                     |                 |                     |                 |                     |  |
| Fault                                | Continuously sounding  |   |                 |                     |                 |                     |                 |                     |  |
| <b>PHYSICAL</b>                      |  |   |                 |                     |                 |                     |                 |                     |  |
| Standard Model                       | Dimension, D x W x H (mm)  | 410 x 438 x 88 [2U]                             |                 | 410 x 438 x 88 [2U] |                 | 510 x 438 x 88 [2U] |                 | 630 x 438 x 88 [2U] |  |
|                                      | Net Weight (kgs)   | 11.6  | 14.2            | 14.5                | 19.5            | 26.5                | 27.4            | 10.5                |  |
| Long-run Model                       | Dimension, D x W x H (mm)  | 410 x 438 x 88 [2U]                             |                 | 410 x 438 x 88 [2U] |                 | 410 x 438 x 88 [2U] |                 | 510 x 438 x 88 [2U] |  |
|                                      | Net Weight (kgs)   | 6.5   |                 | 6.5                 |                 | 6.5                 |                 | 10.5                |  |
| <b>ENVIRONMENT</b>                   |  |   |                 |                     |                 |                     |                 |                     |  |
| Humidity                             | 20-90 % RH @ 0- 40°C (Non-condensing)  |   |                 |                     |                 |                     |                 |                     |  |
| Noise Level                          | Less than 50dBA @ 1 Meter  |   |                 |                     |                 |                     |                 |                     |  |
| <b>MANAGEMENT</b>                    |  |   |                 |                     |                 |                     |                 |                     |  |
| Smart RS-232 / USB                   | Supports Windows® 2000/2003/XP/Vista/2008, Windows® 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/200VAC/208VAC.

\*\*If standard UPS is equipped with additional charger, the available setting options become 2A, 3A and 4A.

Product specifications are subject to change without further notice.