



- 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)
- DSP technology applied
- Active input power factor correction 0.99
- N+X parallel redundancy

TESTED TO  
UL 1778

## APRT 11X 6KVA/10KVA Rack/Tower Online UPS Selection Guide

MODEL	APRT 6K (L)	APRT 6K (L)	APRT10K(L)	APRT10K (L)	
<b>PHASE</b>	Single phase with ground				
<b>CAPACITY</b>	6000 VA / 5400 W		10000 VA / 9000 W		
<b>INPUT</b>					
Nominal Voltage	200/208/220/230/240 VAC				
Voltage Range	110-300 VAC $\pm$ 3% at 50% load ; 176-300 VAC $\pm$ 3% at 100% load				
Frequency Range	46-54 Hz or 56-64 Hz				
Power Factor	$\geq$ 0.99 @ 100% load				
<b>OUTPUT</b>					
Nominal Voltage	200/208/220/230/240 VAC	104 VAC x 2 / 208 VAC or 110 VAC x 2 / 220 VAC or 115 VAC x 2 / 230 VAC or 120 VAC x 2 / 240 VAC	200/208/220/230/240 VAC	104 VAC x 2 / 208 VAC or 110 VAC x 2 / 220 VAC or 115 VAC x 2 / 230 VAC or 120 VAC x 2 / 240 VAC	
AC Voltage Regulation	$\pm$ 1%	$\pm$ 3%	$\pm$ 1%	$\pm$ 3%	
Frequency Range(Synchronized Range)	46-54 Hz or 56-64 Hz				
Frequency Range(Batt. Mode)	50 Hz $\pm$ 0.1 Hz or 60 Hz $\pm$ 0.1 Hz				
Current Crest Ratio	3:1 (max.)				
Harmonic Distortion	$\leq$ 2 % THD (Linear Load), $\leq$ 4 % THD (Non-linear Load)	$\leq$ 3.5 % THD (Linear Load), $\leq$ 7 % THD (Non-linear Load)	$\leq$ 2 % THD (Linear Load), $\leq$ 4 % THD (Non-linear Load)	$\leq$ 3.5 % THD (Linear Load), $\leq$ 7 % THD (Non-linear Load)	
Transfer Time	AC Mode to Battery Mode	Zero			
	Inverter to Bypass	Zero			
Waveform (Batt. Mode)	Pure Sinewave				
<b>EFFICIENCY</b>					
AC Mode	91%	85%	91%	85%	
ECO Mode	96%	87%	96%	87%	
Battery Mode	88%	82%	88%	82%	
<b>BATTERY</b>					
Standard Model	Battery Type	12 V / 7 Ah		12 V / 9 Ah	
	Numbers	20 (18-20 pcs adjustable)*		20 (18-20 pcs adjustable)*	
	Typical Recharge Time	7 hours recover to 90% capacity		9 hours recover to 90% capacity	
	Charging Current (max.)	1.0 A		1.0 A	
	Float Charging Voltage	273 VDC (based on battery numbers at 20 pcs)			
Long Run Model	Battery Type and Numbers	Depending on applications			
	Charging Current (max.)	4.0 A		4.0 A	
	Float Charging Voltage	273 VDC (based on battery numbers at 20 pcs)			
<b>INDICATORS</b>					
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
<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)	UPS unit: 606 x 438 x 133 [3U] Battery pack: 606 x 438 x 133 [3U]	UPS unit: 606 x 438 x 133 [3U] Battery pack: 606 x 438 x 133 [3U] ISO bank: 606 x 438 x 133 [3U]	UPS unit: 686 x 438 x 133 [3U] Battery pack: 606 x 438 x 133 [3U]	UPS unit: 686 x 438 x 133 [3U] Battery pack: 606 x 438 x 133 [3U] ISO bank: 686 x 438 x 133 [3U]
	Net Weight (kgs)	UPS unit: 20 Battery pack: 58	UPS unit: 20 Battery pack: 58 / ISO bank: 61	UPS unit: 23.5 Battery pack: 65	UPS unit: 23.5 Battery pack: 65 / ISO bank: 90
long-run Model	Dimension, D x W x H (mm)	606 x 438 x 133 [3U]		686 x 438 x 133 [3U]	UPS unit: 686 x 438 x 133 [3U] ISO bank: 686 x 438 x 133 [3U]
	Net Weight (kgs)	20		23.5	UPS unit: 23.5 / ISO bank: 90
<b>ENVIRONMENT</b>					
Operating Humidity	0-95 % RH @ 0-40°C (Non-condensing)				
Noise Level	Less than 58dB @ 1 Meter		Less than 60dB @ 1 Meter		
<b>MANAGEMENT</b>					
Smart RS-232 / USB	Supports Windows: 2000/2003/XP/Vista/2008, Windows: 7/8/10, Linux and MAC				
Optional SNMP	Power management from SNMP manager and web browser				

\*With internal batteries from 18-19 pcs, the unit will de-rate according to formula: P=Prating x N/20.

\*\* If the UPS is installed or used in a place where the altitude is above 1000m, the output power must be derated one percent per 100m.

\* L means long-run mod.

Product specifications are subject to change without further notice.