

APT⁺11X 6KVA/10KVA



- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1
- High efficiency up to 94%
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Generator compatible
- SNMP/USB/RS-232 communications
- Adjustable battery numbers
- Optional N+X parallel redundancy
- Adjustable charging current via LCD panel
- Supporting Hot Standby function

APT⁺11X Online UPS Selection Guide

MODEL		APT ⁺ 6K(L)	APT ⁺ 10K(L)
PHASE		1 phase in / 1 phase out	
CAPACITY		6000 VA / 6000 W	10000 VA / 10000 W
INPUT			
Nominal Voltage		208/220/230/240 VAC	
Voltage Range		110~300VAC ± 3 % at 50% load ; 176~300VAC ± 3 % at 100% load	
Frequency Range		46~54 Hz or 56~64 Hz	
Phase		Single phase with ground	
Power Factor		≥ 0.99 @ full load	
THDi		< 4% @100% Load ; < 6% @50% Load	
OUTPUT			
Output Voltage		208/220/230/240 VAC	
AC Voltage Regulation (Batt. Mode)		± 1%	
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio		3:1 (max.)	
Harmonic Distortion		≤ 1 % THD (Linear Load) ; ≤ 4 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sinewave	
Overload	AC Mode	100%~110% 10min ; 110%~130%: 1min ; >130% : 1sec	
	Battery Mode	100%~110%: 30sec ; 110%~130%: 10sec ; >130% : 1sec	
EFFICIENCY			
AC Mode		94%	
Battery Mode		91%	
BATTERY			
Standard Model	Battery Type	12 V / 7 Ah	12 V / 9 Ah
	Numbers	16	
	Typical Recharge Time	9 hours recover to 90% capacity	
	Charging Current (max.)	1.0 A	
	Charging Voltage	218.4 VDC ± 1%	
Long-run Model	Battery Type	Depending on applications	
	Numbers	16-20**	
	Charging Current (max.)	4.0 A	
	Charging Voltage	(13.65VDC x battery number) ± 1%	
INDICATORS			
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM			
Battery Mode		Sounding every 4 seconds	
Low Battery		Sounding every 2 seconds	
Overload		Sounding twice every second	
Fault		Continuously sounding	
PHYSICAL			
Standard Model	Dimension, DxWxH (mm)	369 x 190 x 688	442 x 190 x 688
	Net Weight (kgs)	54	66
Long-run Model	Dimension, DxWxH (mm)	369 x 190 x 318	442 x 190 x 318
	Net Weight (kgs)	13	16
ENVIRONMENT			
Operating Humidity		20-95 % RH @ 0- 40°C (Non-condensing)	
Noise Level		Less than 55dB @1Meter	Less than 58dB @1Meter
MANAGEMENT			
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	

* Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.

**When using 16 pieces of batteries, the output power factor will be derated to 0.8. If using 18 or 19 pieces of batteries, the output power factor will be derated to 0.9

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

Product specifications are subject to change without further notice.