

APT⁺ 11X 1KVA/1.5KVA/2KVA/3KVA



- True double-conversion
- Output power factor 1
- Input power factor correction
- 50/60Hz Frequency Converter Mode
- ECO mode energy saving
- Emergency power off (EPO) function
- Provides over voltage cut-off protection and surge immunity by MOV for full time equipment protection
- High power factor charger up to 8A/12A capacity with very low ripple current when charging battery
- Low input THDi to reduce power system pollution
- Adjustable charging current via LCD panel
- Smart battery charger design to optimize battery performance
- Generator compatible
- Optional HID Power Device USB Port

APT⁺ 11X 1KVA/1.5KVA/2KVA/3KVA Online UPS Selection Guide

MODEL	APT ⁺ 1K		APT ⁺ 1.5K		APT ⁺ 2K		APT ⁺ 3K	
PHASE	Single phase with ground							
CAPACITY*	1000 VA / 1000 W		1500 VA / 1500W		2000 VA / 2000 W		3000 VA / 3000 W	
INPUT								
Nominal Voltage	100/110/115/120 /127 VAC or 200/208/220/230/240 VAC							
Voltage Range	55 - 150 VAC ± 3 % or 110 - 300 VAC ± 3 % at 50% load 80 - 150 VAC ± 3 % or 160 - 300 VAC ± 3 % at 100% load							
Frequency Range	40Hz ~ 70Hz							
Power Factor	≥ 0.99 @ nominal voltage (100% load)							
THDi%	≤ 5%							
OUTPUT								
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)	47 ~ 53 Hz or 57-63Hz							
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz							
Current Crest Ratio	3:1							
Harmonic Distortion	≤ 2% THD (Linear Load), ≤ 4 % THD (Non-linear Load)							
Transfer Time	AC to DC	Zero						
	Inverter to Bypass	4 ms (Typical)						
	ECO to Battery Mode	8 ms (Typical), 10 ms (max)						
Waveform (Batt. Mode)	Pure Sinewave							
EFFICIENCY								
Line Mode	≥ 89% @ battery fully charged				≥ 91% @ battery fully charged			
ECO Mode	≥ 96% @ battery fully charged							
Battery Mode	≥ 88%				≥ 90%			
BATTERY								
Battery Type	12 V / 9 AH	12 V / 7 AH	12 V / 9 AH	12 V / 9 AH	12 V / 7 AH	12 V / 9AH	12 V / 7AH	
Numbers	2	3	3	4	6	6	8	
Typical Recharge Time	3 hours recover to 95% capacity for internal battery@ 2A charging current							
Charging Current	100/110/115/120 /127 VAC models: default 2A, max. 8A adjustable 200/208/220/230/240 VAC models: default 2A, max. 12A adjustable				Default: 2A, Max: 8A adjustable			
Charging Voltage	27.4VDC ± 1%	41.1VDC ± 1%	41.1VDC ± 1%	54.8VDC ± 1%	82.2VDC ± 1%	82.2VDC ± 1%	109.6 VDC ± 1%	
INDICATORS								
LCD Panel	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator							
ALARM								
Battery Mode	Sounding every 5 seconds							
Low Battery	Sounding every 2 seconds							
Overload	Sounding every second							
Fault	Continuously sounding							
PHYSICAL								
Dimension, D x W x H (mm)	397 x 145 x 220				421 x 190 x 318			
Net Weight (without battery) (kgs)	6.6	6.6	7	9.9	9.9	12.3	12.3	
Net Weight (w/ built-in battery) (kgs)	11.7	13	14.6	20.3	23.2	28	33	
ENVIRONMENT								
Humidity	20-95 % RH @ 0- 40°C (non-condensing)							
Noise Level	Less than 50dBA @ 1 Meter with Fan speed control							
MANAGEMENT								
Smart RS-232 or 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							
STANDARD								
EMC/Safety	EMC EN62040-2 C2 for CE models							

*Derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.
Product specifications are subject to change without further notice.