

ELX Tower Online UPS

1-3kVA (220V/230V/240V)

ELX is an online double-conversion UPS with fully digital control technology. This fully upgraded new generation of UPS not only has an ultra-high input and output power factor, but also increases the efficiency based on the original 5%. ELX with adjustable 12A charger is a perfect choice for PC and other sensitive devices request longer backup time



Application

IDC (Internet Data Center), network servers and workstation, control system, communication system, office, PC etc.

Features

- Wide range of input voltage while input PF>0.99
- LCD/LED display, monitoring all the operation status
- Auto fan speed adjustment
- Output PF of 1, upgraded overload capability
- External environment and battery temperature sensor
- Full protection of over-voltage and short-circuit
- 1-12A adjustable charger with more flexibility
- Multiple communication interface: RS232, RS485, AS400, dry contact, USB and SNMP card
- Support Lithium battery

Specification

MODEL		ELX001-11T	ELX001-11TL	ELX002-11T	ELX002-11TL	ELX003-11T	ELX003-11TL	
System Capacity		1kVA		2kVA		3kVA		
Input	Phase	Single Phase in, Single Phase out						
	Input Voltage Range	110VAC~300VAC 176VAC~276VAC for 100% load; 276VAC~300VAC for 50% load; 110VAC~176VAC load decrease linearly from 100%~50%						
	Input Power Factor	≥0.99						
	Input Frequency	50/60±5Hz (Default), ±3Hz/±10Hz (settable)						
	Input Frequency Range	40Hz~70Hz						
	Frequency Adaptable	Settable						
Output	Output Voltage	200/208/220/230/240VAC						
	Voltage Regulation	± 1 %						
	Rate Frequency	50/60Hz						
	Frequency Range	±0.1%						
	Output THDu	≤2% THD, linear load; ≤ 5% THD, non-linear load						
	Output PF	1 (0.9 for 200VAC/208VAC)						
	Crest Factor	3:1						
	Dynamic Response	≤5% (0% - 100% -0%)						
	Dynamic Recovery	≤40ms (0% - 100% -0%)						
	Overload Capability	Inverter	102%~110% for 30mins; 110%~125% for 10mins; 125%~150% for 30s					
		Battery	102%~110% for 1min; 110%~125% for 10s; 125%~150% for 5s					
Bypass		<130%: long term operation; <150% for 10mins; <180% for 5s						
Battery	DC Voltage	36VDC		72VDC		96VDC		
	Number/Type	External	12V, 7Ah*3	External	External	12V, 7Ah*3	External	
	Charging Voltage	Settable						
	Max Charging Current	1-12A	1A	1-12A	1-12A	1A	1-12A	
	Battery Cold Start	Standard						
Efficiency	Normal Mode	94.5%@100% load		95.5%@100% load		95.5%@100% load		
	ECO Mode	96%		97%		97%		
	Battery Mode	89.5%@100% load		91.5%@100% load		91.5%@100% load		
Noise (1m away)	<43dB@<60%load <47dB@>60%load		<50dB@<60%load <55dB@>60%load		<50dB@<60%load <55dB@>60%load			
	Display	LED+LCD						
Interface	RS232, input socket (IEC C14 for 1K, C20 for 2-3K) output socket (2 National standard sockets for 1K, 4 National standard sockets for 2K 3 National standard sockets+1 20A connecting terminal for 3K)							
	Optional	RS485, USB, AS400 Dry Contact, SNMP Card, EPO External Battery Temperature, RJ45 Surge Protection, Dust net						
Physical	W*D*H(mm)	144*354*224	144*354*224	144*410*223	190*405*330	144*410*223	190*405*330	
	W*D*H(mm)(Package size)	240*448*320	240*448*320	240*510*320	285*520*406	240*510*320	285*520*406	
	Net Weight (KG)	4.3	10.3	5.8	21.1	6.2	25.5	
	Gross Weight (kg)	5.6	11.6	7.1	23	7.5	27.5	