ELX Series
RACK 19” UPS

6-10 kVA (220V / 230V / 240V) output PF = 1,0

The solution for

- Telecommunications
- Industry
- Automatic systems
- Video surveillance systems
- Alarm systems
- Servers and networking devices
- Control systems

Technology

- On-Line
- On-Line double conversion

Certifications

- CE
- LVD

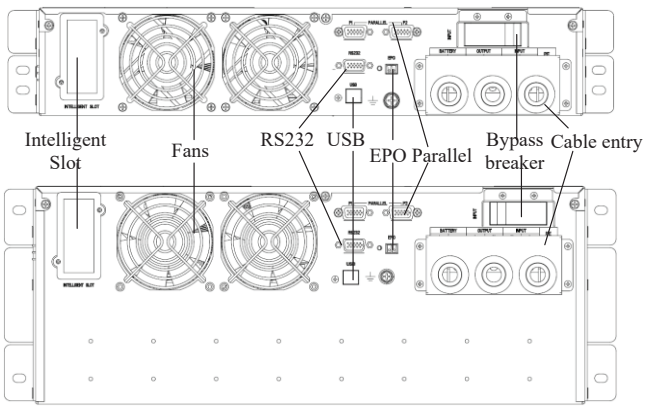
Features

- Wide range of input voltage while input PF>0.99
- Output PF of 1.0
- Full protection of overvoltage, circuit short and over temperature
- Network/fax/modem surge protection
- LCD/LED display, monitoring all the operation status
- 19 inch standard cabinet and battery cabinet
- Automatic fan speed adjustment
- Abundant interface: RS232,USB, SNMP, Intelligent Card

	ELX006-11RT	ELX006-11RTL	ELX010-11RT	ELX010-11RTL
INPUT				
Cold Start	"YES Default output frequency will be 50Hz or settable"			
Acceptable Input Voltage	110VAC~288VAC			
	100% load@>176VAC			
	90% load@>154VAC			
	75% load@>132VAC			
	50% load@>110VAC			
Phase	Single phase in,single phase out			
Transfer Voltage Range	200VAC/208VAC/220VAC/230VAC/240VAC			
-Line low transfer	110VAC			
-Line low recovery	121VAC			
-Line high transfer	288VAC			
-Line high recovery	281VAC			
Input Current				
-Rating(full charging)	30A/220V	34A/220V	49A/220V	53A/220V
Input Power Factor	≥0.99			
Input current distortion	<4%			
Input Frequency Range	40~70Hz			
OUTPUT				
Frequency adaptable	Settable			
Power				
-Power	6KVA		10KVA	
-Power(kW)	6KW		10KW	
Output Voltage				
-Waveform(Bat. Mode)	Pure Sine Wave			
-Nominal voltage	220VAC/230VAC/240VAC, 200VAC/208VAC(PF=0.9)			
-Voltage regulation	± 1 %			
-Voltage distortion	≤1% THD, linear load			
	≤ 5% THD, non linear load			
Output Frequency				
-Synchronization range	±5Hz default, settable			
-Battery mode	(50±0.1) Hz default			
Transfer Time				
-Line mode to battery mode	0ms			
-Inverter to bypass	0ms			
Efficiency				
-Line mode with battery full charged	94.6%@100% load, 95%@60% load			
-ECO mode	98,0%			
Noise(1m away)	<58dB			
Overload Capability(Inverter)	105% to 110% : Transfer to bypass after 10 mins.			
	111% to 125% : Transfer to bypass after 1 mins.			
	126% to 150%: Transfer to bypass after 30s			
Overload Capability (Bypass Mode)	less than 125%: long time running			
	126% to 130% :Shutdown in 5 mins			
	131% to 150% :Shutdown in 1 mins			
	> 150% :Shutdown in 200 ms			
Crest Ratio	3:1			
BATTERY				
Rating/Type	12VDC/7Ah	Depend on the capacity of external batteries	12VDC/9Ah	Depend on the capacity of external batteries
Quantity	16PCS default, 20PCS settable	16-20PCS settable	16PCS default, 20PCS settable	16-20PCS settable
DC Voltage	192VDC default, settable			
Back-up Time	3mins @5kW	Depend on the capacity of external batteries	2mins @8kW	Depend on the capacity of external batteries

Charger				
-Charging current (max)	**1A, settable**	**5A max,settable**	**1A,settable**	**5A max,settable**
-Float Charging Voltage	**2.25V/cell default, setttable via software**			
-Boost Charging Voltage	**2.25V/cell default, setttable via software**			
-Charging time	**8h recharge to 90%**	**Depend on the capacity of external batteries**	**8h recharge to 90%**	**Depend on the capacity of external batteries**
Leakage current	<3mA			
Indicator & Alarm				
-Display	LED+LCD			
Inteface				
-Smart RS232	Standard Cable support INVT Power Monitor Software			
-EPO	NC			
-RS485(option)	Installed in the intelligent slot			
-SNMP(option)	Power Managment from SNMP Manager and Web Browser			
Option				
-Intelligent Kits	DB9 port, dry contact			
-parallel	4 units paralleled			
-Super charger (12A)	digitally controlled, 4-steps charge, settable, @PF0.9			
-USB	B-type USB port			
-SNMP Kits	Pluggable type			
Mechanical				
-W□D□H (mm)	**440*660*172**	**440*550*86**	**440*660*172**	**440*550*86**
-Net Weight (KG)	**58**	**16**	**62**	**18**
-Package Weight (KG)	**63**	**18**	**68**	**21**
-Rack / Tower	Rack/Tower			
Color	Black default			

FUNCTION	**Compatible with half wave load**
	Bypass input breaker
	ECO mode
	Battery cabinet
	Self aging
	Digital Charger
	Remained Battery Capacity
	Optional 12A charger (PF will be de rated to 0.9)
	12A charger (PF will be de rated to 0.9)



As shown in Fig 1-2, the rear panel provides the following compoentes and function:

- USB: B type, used to connect monitoring software
- EPO: NC
- Parallel port: option
- Reserved: reserved for customer function, such as manual bypass, battery breaker, socket and so on
- Cable entry
- Bypass breaker: surge proection
- Cable proetector: cable entry, fix cables, safety
- Cold start: start UPS from battery
- Fans: intelligent fan speed control
- RS232: DB9 type, used to connect monitoring software