ELECTRIC POWER SOURCE

EPS High Frequency UPS

EPO Series (1KVA~10KVA 1:1)

Monitoring Software | USB Port | RS232 Port | ECO Mode | EPO Mode | Generator Support | SNMP Module | High Power Factor

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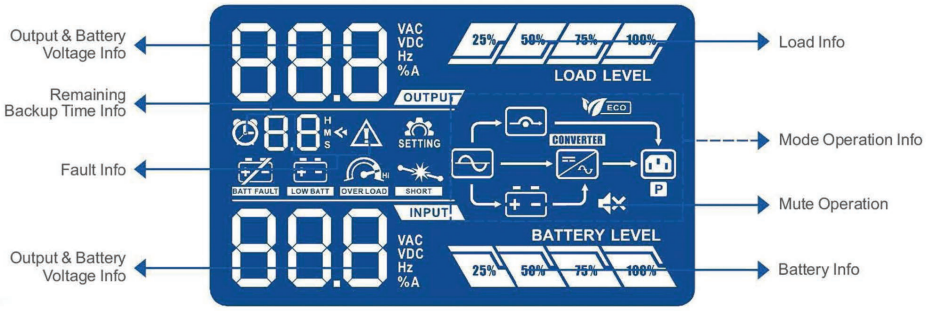
HTTPS://WWW.EPSPOWER.NET



Function Features

1 True double-conversion online UPS

A true double conversion UPS will provide clean, high level quality power to fully protect mission-critical devices such as sensitive networks, small computer centers, servers, telecom applications, as well as for industrial applications.

2 Output power factor 0.8

Compared to the online UPS in the current market, Venus series UPS provides better output power factor up to 0.8. It offers higher performance and effciency for critical applications.

3 Wide input voltage range (110V-300V)

Venus series can still provide stable power to connected devices under unstable power environments.

4 50/60 Hz Frequency Converter Mode

Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments.

5 ECO mode operation for energy saving

Offers efficiency as high as 97% to cut energy usage &cost. UPS power application via static bypass, timely returning to online double conversion when the need arises.

6 Emergency Power Off (EPO) Function

This feature can secure the personnel and equipment in case of fires or other emergencies.

7

This feature allows either USB,RS232 or Rj45 communication port to work with SNMP interface simultaneously.

8 DSP technology applied for 6-10K models

A DSP controller provides an improved and cost-effective solution with high performance.

CE

RoHS

ISO9001

SGS

Rear **Panel View** »

LCD Display

Monitoring Software

USB Port

RS232 Port

Network/Fax/ Modem Port

2 x Outlets

SNMP Module (Option)

AS-400 Card Dry Contact (Option)

Green Power (ECO Mode)

Generator Support

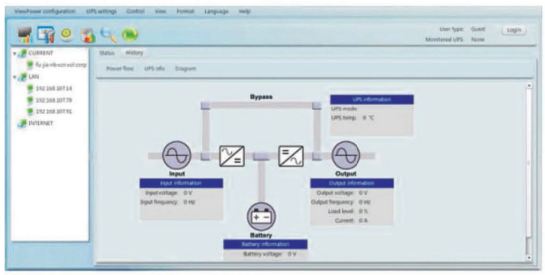
High Power Factor

Tower Base

Packing

1KVA~3KVA 1:1

Monitoring software

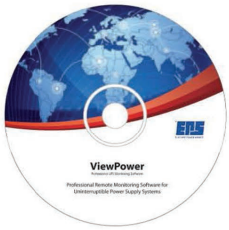


- UPS can be connected to the computer via USB or Rs232 interface. So it can be realized LAN monitoring single or many sets of UPS, it also can monitor the other ups which connected to the computer via LAN.
- UPS monitoring software has more than 10 kinds of language for choice.
- Humanized operation interface, which is powerful and can shows the battery voltage, frequency, load, temperature and other data by real-time monitoring through the charts.
- Alarm of different power incident could be set by radio, mobile phone text messages, e-mails and SNMP etc.
- Historical data log could be recorded and stored in the computer database, and it could make the events statistics and analysis in the form of chart.

Accessory

SNMP Card

AS-400 Card



Monitoring software

EPO 1KVA~3KVA 1:1

EPO - 1KL EPO - 2KL EPO - 3KL EPO - 1KS EPO - 2KS EPO - 3KS

Technical Specification

1KVA~3KVA 1:1

High Frequency Tower UPS							
MODEL		EPO - 1KL	EPO - 2KL	EPO - 3KL	EPO - 1KS	EPO - 2KS	EPO - 3KS
CAPACITY		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
Battery Voltage		36V	72V		36V	72V	
Size, D X W X H (mm)		282 X 145 X 220	397 X 145 X 220		397 X 145 X 220)	419 X 190 X 318	
Net Weight(kgs)		4.1	6.8	7.4	13	26	28
Input							
Voltage Range	Low Line Transfer	160VAC/140VAC/120VAC/110VAC ± 5%					
	Low Line Comeback	175VAC/155VAC/135VAC/125VAC ± 5%			168 VAC / 148VAC / 128 VAC / 118 VAC ± 5 %		
	High Line Transfer	300 VAC ± 5 %					
	High Line Comeback	290 VAC ± 5 %					
Frequency Range		40Hz ~ 70 Hz					
Phase		Single phase with ground					
Power Factor		≥0.99 @ nominal voltage (input voltage)					
Output							
Output voltage		200/208/220/230/240VAC					
AC Voltage Regulation		± 1% (Batt. Mode)					
Frequency Range (Synchronized Range)		47Hz ~ 53 Hz @ 50Hz or 57Hz ~ 63 Hz @ 60Hz					
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz					
Overload		105%~110%: UPS shuts down after 10 min at battery mode or transfer to bypass when the utility is normal 110%~130%: UPS shuts down after 1min at battery mode or transfer to bypass when the utility is normal >130%:UPS shuts down after 3seconds at battery mode or transfer to bypass when the utility is normal			100%~110%:audible warning 110%~130%: UPS shuts down in 60 seconds at battery mode or transfer to bypass when the utility is normal >130%:UPS shuts down immediately at battery mode or transfer to bypass mode when the utility is normal		
Current Crest Ratio		3:1					
Harmonic Distortion		≤3 % THD (Linear Load); ≤ 5% THD (Non-linear Load)			≤3 % THD (linear load); ≤ 6 % THD (non-linear load)		
Transfer Time	AC Mode to Batt. Mode	0 ms					
	Inverter to Bypass	4 ms					
Waveform (Batt. Mode)		Pure Sine Wave					
Efficiency							
AC Mode		88%	89%	90%	87%	90%	
Battery Mode		83%	87%	88%	83%	87%	89%
Battery							
Battery Type		Depending on applications			12V7AH	12V7AH	12V9AH
Battery Numbers		Depending on applications			3	6	6
Recharge Time		Depending on applications			4 hours recover to 90% capacity		
Charging Current		1.0A/2.0A/4.0A/6.0 A			1.0 A (max.)		
Charging Voltage		41.0VDC ± 1%	82.1 VDC ± 1%	82.1 VDC ± 1%	41.0VDC ± 1%	82.1VDC ± 1%	82.1VDC ± 1%
Environment							
Operation Humidity		0-90 % RH @ 0- 40° C (non-condensing)					
Noise Level		Less than 50dBA @ 1 Meter					
Management							
Smart RS-232 or USB		Windows® 2000/2003/XP/Vista/2008、Windows® 7/8、Linux、Unix、MAC					
Optional SNMP		Power management from SNMP manager and web browser					

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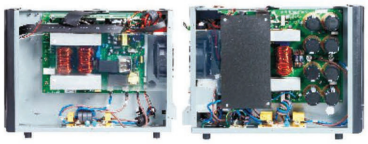

Technical Specification

6KVA~10KVA 1:1

UPS High Frequency Tower UPS					
MODEL		EPO-6KSB	EPO-10KSB	EPO-6KS	EPO-10KS
CAPACITY		6000 VA / 4800 W	10000 VA / 8000 W	6000 VA / 4800 W	10000 VA / 8000 W
Battery Voltage		192V			
Size, D X W X H (mm)		369 x 190 x 318	442x 190 x 318	369 x 190 x 688	442x 190 x 688
Net Weight(kgs)		21	23	72	82
Input					
Voltage Range	Low Line Transfer	110VAC ± 3% at 50%Load; 176VAC ± 3% at 100% Load			
	Low Line Comeback	Low Line Loss Voltage+10V			
	High Line Transfer	300 VAC ± 3 %			
	High Line Comeback	High Line Loss Voltage-10V			
Frequency Range		46Hz~54 Hz@50Hz or 56Hz~64 Hz@60Hz			
Phase		Single phase with ground			
Power Factor		⩾0.99 at 100% Load			
Output					
Output voltage		208/220/230/240VAC			
AC Voltage Regulation		± 1%			
Frequency Range (Synchronized Range)		46Hz~54 Hz @50Hz or 56Hz~64 Hz @60Hz			
Frequency Range (Batt. Mode)		50Hz ± 0.1Hz or 60Hz ± 0.1Hz			
Overload	AC Mode	100%~110%: 10min、110%~130%: 1min、>130% :1sec			
	Battery Mode	100%~110%: 30sec、110%~130%: 10sec、>130% : 1sec			
Current Crest Ratio		3:1 max			
Harmonic Distortion		⩽3%@100% Linear Load；⩽6% @ 100% Non-linear Load			
Transfer Time	AC Mode to Batt. Mode	0 ms			
	Inverter to Bypass	0 ms			
Waveform (Batt. Mode)		Pure Sine Wave			
Efficiency					
AC Mode		>89%	>90%	>89%	>90%
Battery Mode		>88%	>89%	>88%	>89%
Battery					
Battery Type		Depending on applications		12V7AH	12V9AH
Battery Numbers		Depending on applications		16	
Recharge Time		Depending on applications		9hours recover to 90% capacity	
Charging Current		Default : 4A ± 10%; Max.: 6A ± 10%		Default : 1A ± 10%; Max.: 2A ± 10%	
Charging Voltage		218.4VDC ± 1%			
Environment					
Operation Temperature		0 ~ 40° C (battery life cycle will be shorten when temperature is above 25° C)			
Operation Humidity		<95 % and non-condensing			
Operation Altitude		<1000m			
Acoustic Noise Level		<55dB@1Meter	<58dB@1Meter	<55dB@1Meter	<58dB@1Meter
Management					
Smart RS-232 or USB		Windows 2000/2003/XP/Vista/2008、Windows 7/8、Linux、Unix、MAC			
Optional SNMP		Power management from SNMP manager and web browser			

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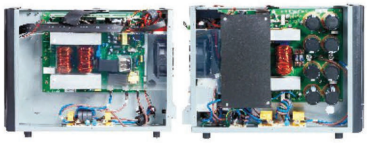
ELECTRIC POWER SOURCE



Technical Specification

6KVA~10KVA 1:1

UPS High Frequency Tower UPS					
MODEL		EPO-6KLB	EPO-10KLB	EPO-6KL	EPO-10KL
CAPACITY		6000VA / 5400W	1000VA / 9000W	6000VA / 5400W	1000VA / 9000W
Battery Voltage		192V			
Size, D X W X H (mm)		369 x 190 x 318	442x 190 x 318	369 x 190 x 688	442x 190 x 688
Net Weight(kgs)		21	23	72	82
Input					
Voltage Range	Low Line Transfer	110VAC ± 3% at 50%Load; 176VAC ± 3% at 100% Load			
	Low Line Comeback	Low Line Loss Voltage+10V			
	High Line Transfer	300 VAC ± 3 %			
	High Line Comeback	High Line Loss Voltage-10V			
Frequency Range		46Hz~54 Hz@50Hz or 56Hz~64 Hz@60Hz			
Phase		Single phase with ground			
Power Factor		⩾0.99 at 100% Load			
Output					
Output voltage		208/220/230/240VAC			
AC Voltage Regulation		± 1%			
Frequency Range (Synchronized Range)		46Hz~54 Hz @50Hz or 56Hz~64 Hz @60Hz			
Frequency Range (Batt. Mode)		50Hz ± 0.1Hz or 60Hz ± 0.1Hz			
Overload	AC Mode	100%~110%: 10min、110%~130%: 1min、>130% :1sec			
	Battery Mode	100%~110%: 30sec、110%~130%: 10sec、>130% : 1sec			
Current Crest Ratio		3:1 max			
Harmonic Distortion		⩽3%@100% Linear Load；⩽6% @ 100% Non-linear Load			
Transfer Time	AC Mode to Batt. Mode	0 ms			
	Inverter to Bypass	0 ms			
Waveform (Batt. Mode)		Pure Sine Wave			
Efficiency					
AC Mode		>89%	>90%	>89%	>90%
Battery Mode		>88%	>89%	>88%	>89%
Battery					
Battery Type		Depending on applications		12V7AH	12V9AH
Battery Numbers		Depending on applications		16	
Recharge Time		Depending on applications		9hours recover to 90% capacity	
Charging Current		Default : 4A ± 10%; Max.: 6A ± 10%		Default : 1A ± 10%; Max.: 2A ± 10%	
Charging Voltage		218.4VDC ± 1%			
Environment					
Operation Temperature		0 ~ 40° C (battery life cycle will be shorten when temperature is above 25° C)			
Operation Humidity		<95 % and non-condensing			
Operation Altitude		<1000m			
Acoustic Noise Level		<55dB@1Meter	<58dB@1Meter	<55dB@1Meter	<58dB@1Meter
Management					
Smart RS-232 or USB		Windows 2000/2003/XP/Vista/2008、Windows 7/8、Linux、Unix、MAC			
Optional SNMP		Power management from SNMP manager and web browser			

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