

















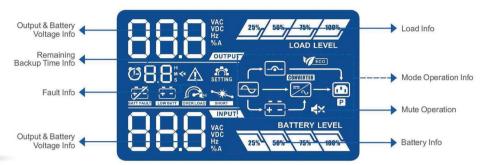




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O Function Features

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.

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.

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 efficiency for critical applications.



Emergency Power Off (EPO) Function

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

Wide input voltage range (110V-300V)

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



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

50/60 Hz Frequency Converter Mode

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

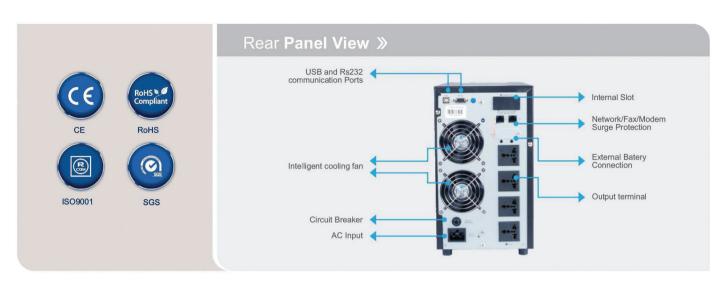


DSP technology applied for 6-10K models

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









Packing



1KVA~3KVA 1:1

O 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

FPO - 3KL

KS

EPO - 2KS EPO - 3k

O Technical Specification

» 1KVA~3KVA 1:1

MODEL			High F	requency Tower UP	S				
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		
Battery Voltage 36V		36V	7	2V	36V	7:	2V		
,		282 X 145 X 220	397 X 1	45 X 220	397 X 145 X 220)	419 X 190 X 318			
Net Weight(kgs) 4.1		4.1	6.8	7.4	13	26	28		
Input			CONTRACTOR OF THE STATE			10 2 10 10 10 10 10			
	Low Line	Transfer		160VAC/140	OVAC/120VAC/110VAC	± 5%			
Voltage	Low Line Comeback		175VAC/155VAC/135VAC/125VAC ±5% 168 VAC / 148VAC / 128 VAC / 118 VAC ± 5 %						
Range	High Line Transfer		300 VAC ± 5 %						
	High Line Comeback		290 VAC ± 5 %						
Frequency Range			40Hz ~ 70 Hz						
Phase			Single phase with ground						
Power Facto	or		≥0.99 @ nominal voltage (input voltage)						
Output			$\mathcal{L}_{i} = \{ 1, \dots, n \}$			$(2^{n+1}+1)^{n+1} = (2^{n+1}+1)^{n+1}$	1.0		
Output voltag	ge			200/	208/220/230/240VAC				
AC Voltage F	Regulation		± 1% (Batt. Mode)						
Frequency Rang (Synchronized R	ge Range)			47Hz ~ 53 Hz @	© 50Hz or 57Hz ~ 63 H	z @ 60Hz			
	Range (Batt. Mo	de)		50 Hz ±	0.25 Hz or 60Hz ± 0.3	Hz			
		:UPS shuts down afte		de or transfer to	transfer to bypas	ss mode when the utility	battery mode or is normal		
Current Cres	bypass	When the utility is nor		le or transfer to	transfer to bypas	ss mode when the utility			
Current Cres	bypass st Ratio	when the utility is nor			3:1	ear load); \leqslant 6 % THD (r	is normal		
	bypass st Ratio stortion	when the utility is nor	mal		3:1 ≤3 % THD (lin		is normal		
	bypass st Ratio stortion AC Mode to	when the utility is nor	mal		3:1 ≤3 % THD (lin		is normal		
Harmonic Dis	bypass st Ratio stortion AC Mode to Inverter to B	when the utility is nor	mal		3:1 ≤3 % THD (lin 0 ms 4 ms		is normal		
Harmonic Di Transfer Time Waveform (E	bypass st Ratio stortion AC Mode to Inverter to B	when the utility is nor	mal		3:1 ≤3 % THD (lin		is normal		
Harmonic Dis Transfer Time Waveform (E Efficiency	bypass st Ratio stortion AC Mode to Inverter to B	when the utility is nor	mal 3 % THD (Linear Load); ≤ 5	% THD (Non-linear Load)	3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave	ear load);≤ 6 % THD (r	is normal		
Harmonic Dis Transfer Time Waveform (E Efficiency AC Mode	bypass st Ratio stortion AC Mode to Inverter to B Batt. Mode)	when the utility is nor	mal		3:1 ≤3 % THD (lin 0 ms 4 ms	ear load);≤ 6 % THD (r	is normal		
Harmonic Distribution Transfer Time Waveform (E Efficiency AC Mode Battery Mode	bypass st Ratio stortion AC Mode to Inverter to B Batt. Mode)	when the utility is nor State of Batt. Mode Bypass 88%	mal 3 % THD (Linear Load); ≤ 5	% THD (Non-linear Load)	3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave	ear load);≤ 6 % THD (r	non-linear load)		
Harmonic Dis Transfer Time Waveform (E Efficiency AC Mode	st Ratio stortion AC Mode to Inverter to B Batt. Mode)	when the utility is nor State of Batt. Mode Bypass 88%	mal 3 % THD (Linear Load); ≤ 5	% THD (Non-linear Load) 90% 88%	3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave	ear load);≤ 6 % THD (r	non-linear load)		
Harmonic Distribution Transfer Time Waveform (E Efficiency AC Mode Battery Mode Battery	bypass st Ratio stortion AC Mode to Inverter to B Batt. Mode)	when the utility is nor State of Batt. Mode Bypass 88%	mal 3 % THD (Linear Load); ≤ 5 89% 87% Depending on applicatio	% THD (Non-linear Load) 90% 88%	3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave 87% 83%	ear load); ≤ 6 % THD (r 90 87%	non-linear load)		
Transfer Time Waveform (E Efficiency AC Mode Battery Mode Battery Battery Type Battery Num	bypass st Ratio stortion AC Mode to Inverter to B Batt. Mode)	when the utility is nor State of Batt. Mode Bypass 88%	mal 3 % THD (Linear Load); ≤ 5 89% 87% Depending on applicatio Depending on applicatio	% THD (Non-linear Load) 90% 88%	3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave 87% 83% 12V7AH 3	ear load); ≤ 6 % THD (r 90 87%	non-linear load) 89% 12V9AH 6		
Transfer Time Waveform (E Efficiency AC Mode Battery Mode Battery Battery Type Battery Num Recharge Tim	bypass st Ratio stortion AC Mode to Inverter to B Batt. Mode) e	when the utility is nor State of Batt. Mode Bypass 88%	mal 3 % THD (Linear Load); ≤ 5 89% 87% Depending on applicatio	% THD (Non-linear Load) 90% 88%	3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave 87% 83% 12V7AH 3	ear load); ≤ 6 % THD (r 90 87% 12V7AH 6	non-linear load) 89% 12V9AH 6		
Transfer Time Waveform (E Efficiency AC Mode Battery Mode Battery Type Battery Num Recharge Tin Charging Cu	bypass st Ratio stortion AC Mode to Inverter to Batt. Mode) e bers me urrent	when the utility is nor State of Batt. Mode Bypass 88%	mal 3 % THD (Linear Load); ≤ 5 89% 87% Depending on applicatio Depending on applicatio Depending on applicatio	% THD (Non-linear Load) 90% 88%	3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave 87% 83% 12V7AH 3	ear load); ≤ 6 % THD (r 90 87% 12V7AH 6 urs recover to 90% cap	non-linear load) 89% 89% 12V9AH 6 acity		
Transfer Time Waveform (E Efficiency AC Mode Battery Mode Battery Type Battery Num Recharge Tin Charging Cu	bypass st Ratio stortion AC Mode to Inverter to Beatt. Mode) e beatt. Mode)	when the utility is nor State of Batt. Mode Bypass 88% 83%	mal 8 % THD (Linear Load); ≤ 5 89% 87% Depending on application Depending on application 1.0A/2.0A/4.0A/6.0 A	% THD (Non-linear Load) 90% 88% ns ns	3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave 87% 83% 12V7AH 3 4 ho	ear load); ≤ 6 % THD (r 90 87% 12V7AH 6 urs recover to 90% cap 1.0 A (max.)	non-linear load) 89% 89% 12V9AH 6 acity		
Harmonic Distribution Transfer Time Waveform (E Efficiency AC Mode Battery Mode Battery Battery Type	bypass st Ratio stortion AC Mode to Inverter to Beatt. Mode) e sheep shee	when the utility is nor State of Batt. Mode Bypass 88% 83%	mal 8 % THD (Linear Load); ≤ 5 89% 87% Depending on application Depending on application 1.0A/2.0A/4.0A/6.0 A	% THD (Non-linear Load) 90% 88% ns ns 82.1 VDC ±1%	3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave 87% 83% 12V7AH 3 4 ho	ear load); ≤ 6 % THD (r 90 87% 12V7AH 6 urs recover to 90% cap. 1.0 A (max.) 82.1VDC ± 1%	non-linear load) 89% 89% 12V9AH 6 acity		
Transfer Time Waveform (E Efficiency AC Mode Battery Battery Type Battery Num Recharge Tir Charging Cu Charging Vo Environme	bypass st Ratio stortion AC Mode to Inverter to Beatt. Mode) e sheep shee	when the utility is nor State of Batt. Mode Bypass 88% 83%	mal 8 % THD (Linear Load); ≤ 5 89% 87% Depending on application Depending on application 1.0A/2.0A/4.0A/6.0 A	% THD (Non-linear Load) 90% 88% ns ns 82.1 VDC ±1% 0-90 % RH (3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave 87% 83% 12V7AH 3 4 ho	ear load); ≤ 6 % THD (r 90 87% 12V7AH 6 urs recover to 90% cap. 1.0 A (max.) 82.1VDC ± 1%	non-linear load) 89% 89% 12V9AH 6 acity		
Transfer Time Waveform (E Efficiency AC Mode Battery Battery Type Battery Num Recharge Tin Charging Cu Charging Vo Environme Operation Ho	bypass at Ratio stortion AC Mode to Inverter to Batt. Mode) att. Mode) att. Mode a	when the utility is nor State of Batt. Mode Bypass 88% 83%	mal 8 % THD (Linear Load); ≤ 5 89% 87% Depending on application Depending on application 1.0A/2.0A/4.0A/6.0 A	% THD (Non-linear Load) 90% 88% ns ns 82.1 VDC ±1% 0-90 % RH (3:1 ≤3 % THD (lin 0 ms 4 ms Pure Sine Wave 87% 83% 12V7AH 3 4 ho 41.0VDC ±1%	ear load); ≤ 6 % THD (r 90 87% 12V7AH 6 urs recover to 90% cap. 1.0 A (max.) 82.1VDC ± 1%	non-linear load) 89% 12V9AH 6		

Remarks:Products specifications are subject to change without notice.









O Technical Specification

			UPS	High Frequency Tower UP	S		
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 V	
Battery Voltage				19	92V		
Size, D X W X I	H (mm)	369 x 190 x 31	8	442x 190 x 318	369 x 190 x 688	442x 190 x 688	
Net Weight(kgs		21		23	72	82	
Input							
	Low Line Tr	ansfer	110VAC ± 3% at 50%Load; 176VAC ± 3% at 100% Load				
Voltage	Low Line Comeback		Low Line Loss Voltage±10V				
Range	High Line T		Low Line Loss Voltage+10V				
			300 VAC ± 3 % High Line Loss Voltage-10V				
High Line Comeback		omeback					
Frequency Ran	ge				z@50Hz or 56Hz~64 Hz@60Hz		
Phase					ngle phase with ground		
Power Factor				}	≥0.99 at 100% Load		
Output					200/000/000/040		
Output voltage				2	208/220/230/240VAC		
AC Voltage Reg					± 1%		
Frequency Ran	ge (Synchronized F	Range)	46Hz~54 Hz @50Hz or 56Hz~64 Hz @60Hz				
Frequency Ran	ge (Batt. Mode)			50Hz	± 0.1Hz or 60Hz ± 0.1Hz		
Overland	AC M	Mode		100%~110%: 10min、110%~130%: 1min、>130%:1sec			
Overload	Battery	Mode	100%~110%: 30sec、110%~130%: 10sec、>130%: 1sec				
Current Crest R	tatio		3:1 max				
Harmonic Distortion			≤3%@100% Linear Load; ≤6% @ 100% Non-linear Load				
	AC Mode to	Batt. Mode		0 ms			
Transfer Time	Inverter to	Bypass	0 ms				
Waveform (Batt		,			Pure Sine Wave		
Efficiency							
AC Mode		>89%		>90%	>89%	>90%	
Battery Mode		>88%		>89%	>88%	>89%	
Battery						A STATE OF THE STA	
Battery Type		Der	ending on	applications	12V7AH	12V9AH	
Battery Number	'S		Depending on applications			16	
Recharge Time			Depending on applications 9hours recover to 90% capacity				
						%; Max.: 2A ± 10%	
Charging Voltage			218.4VDC ± 1%				
Environment					THE REPORT OF THE PARTY		
Operation Temp			0 ~ 40°	° C (battery life cycle will be sho	rten when temperature is above 2	25° C)	
Operation Humi	nidity		<95 % and non-condensing				
Operation Altitude			<1000m				
•		<55dB@1Mete	r	<58dB@1Meter	<55dB@1Meter	<58dB@1Meter	
Managemen		-Journal Infect		-JOUDIGE TIMETER	100dD@ livieter	-JOGD W TWEET	
			\A/in	dows 2000/2003/VD/Victs/2000	Windows 7/8 Linux Unix M	MAC	
Smart RS-232 or USB Optional SNMP			Windows 2000/2003/XP/Vista/2008、Windows 7/8、Linux、Unix、MAC Power management from SNMP manager and web browser				

Remarks:Products specifications are subject to change without notice.

EPSPower.Net









O Technical Specification

> 6KVA~10KVA 1:1

			UPS	High Frequency Tower UF			
MODEL	EPO-6I		.B	EPO-10KLB	EPO-6KL	EPO-10KL	
CAPACITY	6000VA / 5		1400W 1000VA / 9000W		6000VA / 5400W	1000VA / 9000W	
Battery Voltage				1	92V		
Size, D X W X I	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				The same of the sa			
	Low Line Transfer		110VAC ± 3% at 50%Load; 176VAC ± 3% at 100% Load				
Voltage Range	Low Line Comeback		Low Line Loss Voltage+10V				
range	High Line Transfer		300 VAC ± 3 %				
	High Line Comeback		High Line Loss Voltage-10V				
Frequency Ran	ge			46Hz~54 H	z@50Hz or 56Hz~64 Hz@60Hz		
Phase				Si	ngle phase with ground		
Power Factor					≥0.99 at 100% Load		
Output							
Output voltage					208/220/230/240VAC		
AC Voltage Reg	gulation		± 1%				
Frequency Ran	ge (Synchronized F	Range)		46Hz~54 Hz	z @50Hz or 56Hz~64 Hz @60Hz		
Frequency Ran	ge (Batt. Mode)		50Hz ± 0.1Hz or 60Hz ± 0.1Hz				
	AC M	AC Mode		100%~110%: 10min、110%~130%: 1min、>130% :1sec			
Overload	Battery	Mode	100%~110%: 30sec、110%~130%: 10sec、>130%: 1sec				
Current Crest R	tatio		3:1 max				
Harmonic Distortion			≤3%@100% Linear Load; ≤6% @ 100% Non-linear Load				
	AC Mode to	Batt. Mode		0 ms			
Transfer Time	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 or	applications	12V7AH	12V9AH	
Battery Number	'S		Depending on applications		1	16	
Recharge Time		Depending on applications 9hours recover to 90% capacity			to 90% capacity		
		fault : 4A±10%; Max.: 6A±10% Default : 1A±10%; Max.: 2A±10%			%; Max.: 2A ± 10%		
Charging Voltage		218.4VDC ± 1%					
Environment							
Operation Temp			0 ~ 40	0° C (battery life cycle will be sho	orten when temperature is above 2	5° C)	
Operation Humidity		<95 % and non-condensing					
Operation Altitude		<1000m					
Acoustic Noise Level <55dB@1		/leter	<58dB@1Meter	<55dB@1Meter	<58dB@1Meter		
Managemen	11.7	000000111		5552-66 11110101	5552 (B) 11110101	3300 11110101	
Smart RS-232 or U			Wi	ndows 2000/2003/XP/Vista/2008	3、Windows 7/8、Linux、Unix、M	IAC	
Optional SNMP			***		IMP manager and web browser		

Remarks:Products specifications are subject to change without notice.