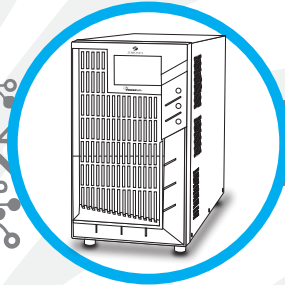
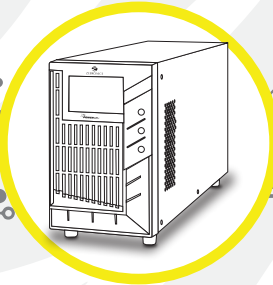
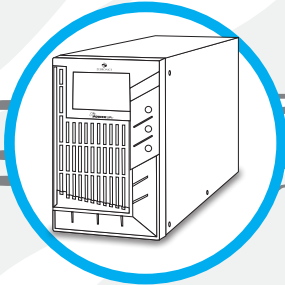


Most popular UPS



ZEBRONICS
ALWAYS AHEAD
Since 1997



Power Solutions

WINNER **90** INDUSTRY
AWARDS

www.zebronics.com

Power Solutions

Zebronics is one of the leading brands when it comes to power solutions. We have been in this market for more than a decade now. Apart from line interactive UPS, 3 years back we had launched an in-house developed micro load surveillance UPS, and it is still very successful in the surveillance market. On demand from our partner we launched online UPS range. With all the expertise and experience we have in the UPS market, we are proud to announce extended range of online UPS now. We are launching several new models which will be available from 1KVA to 40KVA capacities with internal or external battery.

UPS is very crucial when it comes to the safety of your electronic devices. Zebronics UPS comes with an apt set of features and functions for the local power conditions. Features like wide input range, intelligent battery charging, generator compatibility, in-built isolation transformer, LCD display and various protection modes. All the UPS models are microcontroller based. The line interactive range is available in 600VA and 1000VA capacities with built-in single and dual battery respectively. The online range is available from 1KVA to 40KVA. The 600VA surveillance UPS is for micro load requirement, it can give long backup for smaller loads like surveillance cameras and DVRs. Zebronics now also has power solution products like Isolation transformers, servo stabilizers and active harmonic filters.

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10	ZEB-OU6KETX16 ZEB-OU10KETX16	12	ZEB-OU10KE3P1P ZEB-OU20KE3P1P	25	Line interactive UPS ZEB-U1200 / ZEB-U725 / ZEB-U740
14	ZEB-OU10KE3P3P ZEB-OU20KE3P3P	16	ZEB-OU10KETX3P3P / ZEB-OU20KETX3P3P ZEB-OU30KETX3P3P / ZEB-OU40KETX3P3P	27	Security UPS ZEB-MLS750
16	ZEB-OU1KE6	18	Isolation Transformer ZEB-AACIT3P3P		

Online UPS

ZEB-OU1K2 (Internal battery)

ZEB-OU1KE6

NEW

**0.8
PF**



ZEB-OU1K2

- WIDE INPUT VOLTAGE RANGE
- ECO MODE FOR ENERGY SAVING
- GENERATOR COMPATIBLE
- OVERLOAD PROTECTION
- POWER MANAGEMENT SOFTWARE
- LCD DISPLAY
- USER SELECTABLE OUTPUT VOLTAGE
- ZERO TRANSFER TIME
- COLD START FUNCTION
- MICROPROCESSOR BASED CONTROL

ZEB-OU1KE6

- BATTERY CHARGING VOLTAGE 41 VDC $\pm 1\%$
- WIDE INPUT VOLTAGE RANGE
- ECO MODE FOR ENERGY SAVING
- GENERATOR COMPATIBLE
- OVERLOAD PROTECTION
- POWER MANAGEMENT SOFTWARE
- LCD DISPLAY
- USER SELECTABLE OUTPUT VOLTAGE
- ZERO TRANSFER TIME
- COLD START FUNCTION
- MICROPROCESSOR BASED CONTROL

Online UPS

ZEB-OU3K6 (Internal battery)

ZEB-OU3KE6

NEW



**0.8
PF**

ZEB-OU3K6

- WIDE INPUT VOLTAGE RANGE
- ECO MODE FOR ENERGY SAVING
- GENERATOR COMPATIBLE
- OVERLOAD PROTECTION
- POWER MANAGEMENT SOFTWARE
- LCD DISPLAY
- USER SELECTABLE OUTPUT VOLTAGE
- ZERO TRANSFER TIME
- COLD START FUNCTION
- MICROPROCESSOR BASED CONTROL

ZEB-OU3KE6

- BATTERY CHARGING VOLTAGE 82.1 VDC \pm 1%
- WIDE INPUT VOLTAGE RANGE
- ECO MODE FOR ENERGY SAVING
- GENERATOR COMPATIBLE
- OVERLOAD PROTECTION
- POWER MANAGEMENT SOFTWARE
- LCD DISPLAY
- USER SELECTABLE OUTPUT VOLTAGE
- ZERO TRANSFER TIME
- COLD START FUNCTION
- MICROPROCESSOR BASED CONTROL

SPECIFICATION

MODEL		ZEB-OU1K2	ZEB-OU1KE6	ZEB-OU3K6	ZEB-OU3KE6
CAPACITY		1000VA / 800W		3000VA / 2400W	
INPUT					
Voltage Range	Low Line Transfer	160VAC / 140VAC / 120VAC / 110VAC ± 5% (Ambient Temp.<35°C) (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)			
	Low Line Comeback	175VAC / 155VAC / 135VAC / 125VAC ± 5% (Ambient Temp.<35°C) (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)			
	High line Transfer	280VAC ± 5%			
	High line Comeback	270VAC ± 5%			
Frequency Range		40Hz ~ 70Hz			
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		47 ~ 53Hz or 57 ~ 63Hz (Synchronized Range)			
Frequency Range (Batt. Mode)		50Hz ± 0.25Hz or 60Hz ± 0.3Hz (Ambient Temp.<35°C)			
Overload		105% ~110% : UPS shuts down after 10 minutes at battery mode or transfer to bypass when the utility is normal 110% ~130% : UPS shuts down after 1 minutes at battery mode or transfer to bypass when the utility is normal >130% : UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal			
Current Crest Ratio		3:1			
Harmonic Distortion		≤ 3% THD (Linear load); ≤ 6% THD (non-linear load)			
Transfer Time	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	4ms (Typical)			
Waveform (Batt. Mode)		Pure Sinewave			
EFFICIENCY					
AC Mode		88%		90%	
Battery Mode		83%		88%	
BATTERY					
Battery Type		12V / 9AH	N/A	12V / 9AH	N/A
Numbers		2	3*	6	6*
Recharge Time		4 hours recover to 90% capacity (Typical)	Depending on the capacity of external batteries	4 hours recover to 90% capacity (Typical)	Depending on the capacity of external batteries
Charging Current		1.0 A (Max.)	1.0 A / 2.0A / 4.0A / 6.0A	1.0 A (Max.)	1.0 A / 2.0A / 4.0A / 6.0A
Charging Voltage		27.4 VDC ± 1%	41.0 VDC ± 1%	82.1 VDC ± 1%	
PHYSICAL					
Dimension, D x W x H		282 x 145 x 220 (mm)		421 x 190 x 318 (mm)	397 x 145 x 220 (mm)
Net Weight (kgs)		9.8	4.1	27.6	7.4
ENVIRONMENT					
Operation Humidity		20-90% RH @ 0 - 40°C (non-condensing)			
Noise Level		Less than 50dBA @ 1 Meter			
MANAGEMENT					
Smart RS-232 or USB		Supports Windows® XP / Vista/ 2008 / 7 / 8, Linux & MAC			

*Battery not included.

** Derate capacity to 80% of capacity in Frequency converter mode or when the output voltage is adjusted to 200/208VAC.

***Product specifications are subject to change without further notice.

Online UPS

ZEB-OU6KE16
ZEB-OU10KE16

NEW



**0.8
PF**

**EXTERNAL
BATTERY***

**WIDE
INPUT
VOLTAGE RANGE**

**ECO MODE
FOR
ENERGY SAVING**

**GENERATOR
COMPATIBLE**

**OVERLOAD
PROTECTION**

**POWER
MANAGEMENT
SOFTWARE**

**LCD
DISPLAY**

**USER
SELECTABLE
OUTPUT
VOLTAGE**

**ZERO
TRANSFER TIME**

**COLD
START
FUNCTION**

**MICROPROCESSOR
BASED CONTROL**

SPECIFICATION		
MODEL	ZEB-OU6KE16	ZEB-OU10KE16
Phase	1-phase in / 1-phase out	
Capacity	6000 VA 4800W	10000 VA 8000W
INPUT		
Nominal Voltage	208/220/230/240VAC	
Voltage Range	110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)	
Frequency Range	46-54 Hz or 56-64 Hz	
Power Factor	≥0.99 @ 100% Load	
OUTPUT		
Output Voltage	208/220/230/240VAC	
AC Voltage Regulation (Batt. Mode)	± 1%	
Frequency Range (Synchronized Range)	46-54Hz	
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz	
Current Crest Ratio	3:1 (max.)	
Harmonic Distortion	≤ 3 % THD (Linear Load)	
	≤ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero
	Inverter to Bypass	Zero
Waveform (Batt. Mode)	Pure Sine wave	
EFFICIENCY		
AC Mode	92.00%	93.00%
ECO Mode	Batt mode -90%	91.00%
BATTERY		
Numbers	16 ~ 20 (Adjustable)*	
Typical Recharge Time	9hrs recover to 90% capacity	
Battery Type	SMF/VRLA	
Charging Current (max.)	1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)	
Charging Voltage	13.65 x N (N-Number of battery)	
INDICATORS		
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM		
Battery Mode	Sounding every 4 seconds	
Low Battery	Sounding every second	
Overload	Sounding twice every second	
Fault	Continuously sounding	
PHYSICAL		
Dimension,DxWxH (mm)	369 x 190 x 318	442 x 190 x 318
Net Weight (kgs)	12	16
ENVIRONMENT		
Operation Humidity	0-95% RH @ 0-50°C (non-condensing)	0-95% RH @ 0-40°C (non-condensing)
Noise Level	Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter
MANAGEMENT		
Smart RS-232 / USB	Supports Windows2 2000/2003/XP/Vista/2008, Windows2 7/8/10, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	

*Battery not included.

Online UPS ZEB-OU3KETX6

NEW



**0.8
PF**

**EXTERNAL
BATTERY***

**INBUILT
ISOLATION
TRANSFORMER**

**BATTERY
CHARGING
VOLTAGE**
82.1 VDC \pm 1%

**WIDE
INPUT
VOLTAGE RANGE**

**ECO MODE
FOR
ENERGY SAVING**

**GENERATOR
COMPATIBLE**

**OVERLOAD
PROTECTION**

**POWER
MANAGEMENT
SOFTWARE**

**LCD
DISPLAY**

**USER
SELECTABLE
OUTPUT
VOLTAGE**

**ZERO
TRANSFER TIME**

**COLD
START
FUNCTION**

**MICROPROCESSOR
BASED CONTROL**

SPECIFICATION

MODEL		ZEB-OU3KETX6
Phase		1-phase in / 1-phase out
Capacity		3000 VA / 2400 W
INPUT		
Nominal Voltage		200/208/220/230/240VAC
Voltage Range		160-280VAC (Based on load at 100%)
Frequency Range		40 Hz ~ 70 Hz
Power Factor		≥0.99 @ nominal Voltage (100% load)
OUTPUT		
Output Voltage		200/208/220/230/240VAC
AC Voltage Regulation (Batt. Mode)		± 1%
Frequency Range (Synchronized Range)		47~ 53 Hz
Frequency Range (Batt. Mode)		50 Hz ± 0.25
Current Crest Ratio		3:1
Harmonic Distortion		≤ 3 % THD (Linear Load)
		≤ 6 % THD (Non-linear Load)
Transfer Time	AC Mode to Batt. Mode	Zero
	Inverter to Bypass	4 ms (Typical)
Waveform (Batt. Mode)		Pure Sine wave
EFFICIENCY		
AC Mode		90.00%
ECO Mode		Batt Mode-88%
BATTERY		
Numbers		12 Vdc 6Nos *
Typical Recharge Time		9hrs recover to 90% capacity
Battery Type		SMF/VRLA
Charging Current (max.)		1A/2A/4A/6A (Adjustable, 6A is only available for 6pcs batteries)
Charging Voltage		82.1 VDC ±1%
INDICATORS		
LCD Display		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators
ALARM		
Battery Mode		Sounding every 4 seconds
Low Battery		Sounding every second
Overload		Sounding twice every second
Fault		Continuously sounding
PHYSICAL		
Dimension,DxWxH (mm)		397 x 145 x 220
Net Weight (kgs)		22.5
ENVIRONMENT		
Operation Humidity		20-90 % RH @ 0- 40°C (Non-condensing)
Noise Level		Less than 50dB @ 1 Meter
MANAGEMENT		
Smart RS-232 / 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

*Battery not included.

Online UPS

ZEB-OU6KETX16
ZEB-OU10KETX16

NEW



**0.8
PF**

**EXTERNAL
BATTERY***

**INBUILT
ISOLATION
TRANSFORMER**

**WIDE
INPUT
VOLTAGE RANGE**

**ECO MODE
FOR
ENERGY SAVING**

**GENERATOR
COMPATIBLE**

**OVERLOAD
PROTECTION**

**POWER
MANAGEMENT
SOFTWARE**

**LCD
DISPLAY**

**USER
SELECTABLE
OUTPUT
VOLTAGE**

**ZERO
TRANSFER TIME**

**COLD
START
FUNCTION**

**MICROPROCESSOR
BASED CONTROL**

SPECIFICATION		
MODEL	ZEB-OU6KETX16	ZEB-OU10KETX16
Phase	1-phase in / 1-phase out	1-phase in / 1-phase out
Capacity	6000 VA 4800W	10000 VA 8000W
INPUT		
Nominal Voltage	208/220/230/240VAC	
Voltage Range	110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)	
Frequency Range	46~54 Hz	
OUTPUT		
Output Voltage	208/220/230/240VAC	
AC Voltage Regulation (Batt. Mode)	± 1%	
Frequency Range (Synchronized Range)	46~54Hz	
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz	
Current Crest Ratio	3:1 (max.)	
Harmonic Distortion	≤ 3 % THD (Linear Load)	
	≤ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero
	Inverter to Bypass	Zero
Waveform (Batt. Mode)	Pure Sine wave	
EFFICIENCY		
AC Mode	88% for both	
ECO Mode	Batt Mode-92%	
BATTERY		
Numbers	16 ~ 20 (Adjustable)*	
Typical Recharge Time	9hrs recover to 90% capacity	
Battery Type	SMF/VRLA	
Charging Current (max.)	2A/4A/6A/8A (Adjustable, 6A is only available for 16pcs batteries)	
Charging Voltage	13.65x (N-Number of Battery)	
INDICATORS		
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM		
Battery Mode	Sounding every 4 seconds	
Low Battery	Sounding every second	
Overload	Sounding twice every second	
Fault	Continuously sounding	
PHYSICAL		
Dimension, DxWxH (mm)	592*250*826 for both	
Net Weight (kgs)	62	86
ENVIRONMENT		
Operation Humidity	0-95% RH @ 0-50°C (non-condensing)	0-95% RH @ 0-40°C (non-condensing)
Noise Level	Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter
MANAGEMENT		
Smart RS-232 / USB	Supports Windows2 2000/2003/XP/Vista/2008, Windows2 7/8/10, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	

*Battery not included.

Online UPS

ZEB-OU10KE3P1P
ZEB-OU20KE3P1P

NEW



**0.9
PF**

**EXTERNAL
BATTERY***

**WIDE
INPUT
RANGE**

**3 PHASE
INPUT /
1 PHASE
OUTPUT**

**ECO MODE
FOR
POWER SAVING**

**EMERGENCY
POWER OFF
FUNCTION**

**COLD
START**

**GENERATOR
COMPATIBLE**

**OVERLOAD
PROTECTION**

**ZERO
TRANSFER
TIME**

**DSP
TECHNOLOGY**

**ACTIVE
POWER FACTOR
CORRECTION**

**POWER
MANAGEMENT
SOFTWARE**

**TRUE
DOUBLE
CONVERSION**

**50HZ / 60HZ
FREQUENCY
CONVERSION
MODE**

SPECIFICATION			
MODEL		ZEBOU10KE3P1P	ZEBOU20KE3P1P
Phase		3-phase in / 1-phase out	3-phase in / 1-phase out
Capacity		10000 VA/9000W	20000 VA/18000W
INPUT			
Nominal Voltage		3 x 400 VAC (3Ph+N)	
Voltage Range		190-520 Vac (3-phase) @ 50% load 305-478 Vac (3-phase) @ 100% load	
Frequency Range		46-54Hz or 56-64Hz	
Power Factor		≥0.99 @ 100% Load	
THDi		< 6% @ 100% load	
OUTPUT			
Output Voltage		208/220/230/240VAC	
AC Voltage Regulation (Batt. Mode)		± 1%	
Frequency Range (Synchronized Range)		46-54Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz	
Current Crest Ratio		3:1 (max.)	
Harmonic Distortion		≤ 2-3 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sine wave	
EFFICIENCY			
AC Mode		91.50%	91.80%
ECO Mode		97%	97%
Battery Mode		87%	88%
BATTERY			
Numbers		20 pcs (18 - 20 pcs adjustable)*	
Typical Recharge Time		9hrs recover to 90% capacity	
Battery Type		SMF/VRLA	
Charging Current (max.)		4A	8A
Charging Voltage		13.65 x N (N-Number of battery)	
INDICATORS			
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM			
Battery Mode		Sounding every 4 seconds	
Low Battery		Sounding every second	
Overload		Sounding twice every second	
Fault		Continuously sounding	
PHYSICAL			
Dimension,DxWxH (mm)		592 x 250 x 576	592 x 250 x 576
Net Weight (kgs)		28	40
ENVIRONMENT			
Operation Humidity		0-95 % RH @ 0- 40°C (Non-condensing)	0-95 % RH @ 0- 40°C (Non-condensing)
Noise Level		Less than 58dB @ 1 Meter	Less than 60dB @ 1 Meter
MANAGEMENT			
Smart RS-232 / USB		Supports Windows2 2000/2003/XP/Vista/2008, Windows2 7/8/10, Linux and MAC	
Optional SNMP		Power management from SNMP manager and web browser	

*Battery not included.

Online UPS

ZEBOU10KE3P3P
ZEBOU20KE3P3P

NEW



**1
PF**

**EXTERNAL
BATTERY***

**WIDE
INPUT
RANGE**

**3 PHASE
INPUT /
3 PHASE
OUTPUT**

**ECO MODE
FOR
POWER SAVING**

**EMERGENCY
POWER OFF
FUNCTION**

**COLD
START**

**GENERATOR
COMPATIBLE**

**OVERLOAD
PROTECTION**

**ZERO
TRANSFER
TIME**

**DSP
TECHNOLOGY**

**ACTIVE
POWER FACTOR
CORRECTION**

**POWER
MANAGEMENT
SOFTWARE**

**TRUE
DOUBLE
CONVERSION**

**50HZ / 60HZ
FREQUENCY
CONVERSION
MODE**

SPECIFICATION		
MODEL	ZEBOU10KE3P3P	ZEBOU20KE3P3P
Phase	3-phase in / 3-phase out	3-phase in / 3-phase out
Capacity	10000 VA/10000W	20000 VA/20000W
INPUT		
Nominal Voltage	3 x 400 VAC (3Ph+N)	
Voltage Range	190-520 VAC (3-phase) @ 50% load	
Frequency Range	305-478 VAC (3-phase) @ 100% load	
Power Factor	46-54Hz	
	≥0.99 @ 100% Load	
OUTPUT		
Output Voltage	3 x 360*/380/400/415 VAC (3Ph+N)	
AC Voltage Regulation (Batt. Mode)	± 1%	
Frequency Range (Synchronized Range)	46-54Hz	
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz	
Current Crest Ratio	3:1 (max.)	
Harmonic Distortion	≤ 2-3 % THD (Linear Load)	
	≤ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero
	Inverter to Bypass	Zero
Waveform (Batt. Mode)	Pure Sine wave	
EFFICIENCY		
AC Mode	95.50%	
ECO Mode	98.5%	
Battery Mode	95%	
BATTERY		
Numbers	20 pcs (18 - 20 pcs adjustable)*	20 pcs (18 - 20 pcs adjustable)* x 2 strings
Typical Recharge Time	9hrs recover to 90% capacity	
Charging Voltage	273 VDC ± 1% (Based on 20pcs batteries)	
Battery Type	SMF/VRLA	
Charging Current (max.)	4A	8A
Charging Voltage	13.65 x N (N-Number of battery)	
INDICATORS		
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM		
Battery Mode	Sounding every 4 seconds	
Low Battery	Sounding every second	
Overload	Sounding twice every second	
Fault	Continuously sounding	
PHYSICAL		
Dimension, DxWxH (mm)	630 x 250 x 750	
Net Weight (kgs)	28	43
ENVIRONMENT		
Operation Humidity	0-95 % RH @ 0- 40°C (Non-condensing)	0-95 % RH @ 0- 40°C (Non-condensing)
Noise Level	Less than 60dB @ 1 Meter	Less than 65dB @ 1 Meter
MANAGEMENT		
Smart RS-232 / USB	Supports Windows2 2000/2003/XP/Vista/2008, Windows2 7/8/10, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	

*Battery not included.

Online UPS

ZEB-OU10KETX3P3P
ZEB-OU20KETX3P3P

ZEB-OU30KETX3P3P
ZEB-OU40KETX3P3P



**0.9
PF**



**EXTERNAL
BATTERY***

**WIDE
INPUT
RANGE**

**3 PHASE
INPUT /
3 PHASE
OUTPUT**

**ECO MODE
FOR
POWER SAVING**

**EMERGENCY
POWER OFF
FUNCTION**

**COLD
START**

**GENERATOR
COMPATIBLE**

**OVERLOAD
PROTECTION**

**ZERO
TRANSFER
TIME**

**ISOLATED
TRANSFORMER**

**ACTIVE POWER
FACTOR
CORRECTION**

**POWER
MANAGEMENT
SOFTWARE**

SPECIFICATION

SPECIFICATION				
MODEL	ZEB-OU10KETX3P3P	ZEB-OU20KETX3P3P	ZEB-OU30KETX3P3P	ZEB-OU40KETX3P3PL
3-phase in / 3-phase out				
Phase				
Capacity	10KVA /9KW	20KVA /18KW	30KVA /27KW	40KVA /36KW
Parallel Capability	up to 3 units in parallel			
INPUT				
Nominal Voltage	3 x 400 Vac (3Ph+N)			
Voltage Range	190-520 Vac (3-phase) @ 50% load			
	305-478 Vac (3-phase) @ 100% load			
Frequency Range	46~54 Hz			
Power Factor	≥ 0.99 @ 100% Load ≥ 0.99 @ 100% Load ≥ 0.99 @ 100% Load			
OUTPUT				
Output Voltage	3 x 360*/380/400/415 Vac (3Ph+N)			
AC Voltage Regulation (Batt. Mode)	± 1%			
Frequency Range (Synchronized Range)	46~54Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	≤ 2-3 % THD (Linear Load)			
	≤ 5 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)	Pure Sine wave			
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, >150% immediately		
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, >150% immediately		
EFFICIENCY				
AC Mode	95.50%			
ECO Mode	98.50%			
Battery Mode	94.50%			
BATTERY				
Battery Type	SMF/VRLA			
Typical Recharge Time	9hrs recover to 90% capacity			
Numbers	20 pcs*	20 pcs*	32~40 pcs (Adjustable)*	32~40 pcs (Adjustable)*
Charging Current (max.)	Depending on the battery Ah			
Charging Voltage	+/-13.65V x N (N=16~20)		+/-13.65V x N (N=32~40)	
INDICATORS				
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
PHYSICAL				
Dimension, DxWxH (mm)	626 x 250 x 750	626 x 250 x 750	815 x 300 x 1000	815 x 300 x 1000
Net Weight (kgs)	28	43	60	61
ENVIRONMENT				
Operation Temperature	0-40°C			
Operation Humidity	< 95% and non-condensing			
Noise Level	Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 70dB @ 1 Meter
MANAGEMENT				
Smart RS-232 / USB	Supports Windows2 2000/2003/XP/Vista/2008, Windows2 7/8/10, Linux and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

*Battery not included.

Isolation Transformer

ZEB-AACIT3P3P



Ultra Isolation Transformer

A double wound transformer with multiple shielding for Capacitive or Faradic Isolation (reduction of capacitive coupling). This transformer has very high attenuation of Common Mode transients thus preventing passage of voltage transients, spikes and galvanic leakage in the Common Mode from reaching sensitive electronic equipment like computers, medical equipment and CNC machines. It also addresses problems related to poor input neutral. The Ultra Isolation transformer can be designed to provide output voltages to suit machine requirement.

**LOW INTER-WINDING
CAPACITANCE**

**GOOD DC
GALVANIC ISOLATION**

**HIGH ATTENUATION- dB IN
COMMON MODE UP TO kHz**

**OPTIMUM TRANSFORMER
DESIGN ENSURES
GOOD LOAD REGULATION**

SPECIFICATION

MODEL	ZEB-AACIT3P3P		
Phase	1-phase in / 1-phase out		3-phase in / 3-phase out
Technical specification	3 to 15 KVA ISOLATION TRANSFORMER (Aluminium strip)	10-60 ISOLATION TRANSFORMER (Aluminium strip)	80-200 Kva iso
Related Standards	IS 2026,IS 11171	IS 2026,IS 11171	IS 2026,IS 11171
Input Voltage	400 V, 3phase, 50Hz, Ac	400 V, 3phase, 50Hz, Ac	400 V, 3phase, 50Hz, Ac
Output Voltage	400V 3 Phase	400V 3 Phase	400V 3 Phase
Efficiency@ 100% Load	>94.0%	>96.0%	>98.5%
Efficiency@ 75% Load	>94.0%	>96.0%	>98.5%
Efficiency@ 75% Load	>92.0%	>95.0%	>98.0%
Over Load@110%	30 Mts	30 Mts	30 Mts
Over Load@110%	10 Mts	10 Mts	10 Mts
Over Load@110%	3 Mts	3 Mts	3 Mts
Regulation	3.0 % For 100% Change In Current At Unity P.F	2.5% For 100% Change In Current At Unity P.F	2.0% For 100% Change In Current At Unity P.F
Impedance Volt	>4.0%	>3.5%	>3.0%
Connection	Delta/Star For 3 Phase	Delta/Star For 3 Phase	Delta/Star For 3 Phase
Vector Group	DYn 11	DYn 11	DYn 11
Operating Power Factor	0.75 Lagging To 0.75 Leading	0.75 Lagging To 0.75 Leading	0.75 Lagging To 0.75 Leading
Dc Galvanic Isolation	Greater Than 500 Mega Ohms	Greater Than 500 Mega Ohms	Greater Than 1000 Mega Ohms
Dielectric Strength	2000 V ,50Hz For 1 Minute	2000 V ,50Hz For 1 Minute	2000 V ,50Hz For 1 Minute
Coupling Capacitance	Less than 0.001 Pico Farads	Less than 0.001 Pico Farads	Less than 0.001 Pico Farads
Line Leakage Current	Less Than 20 Micro Amps	Less Than 20 Micro Amps	Less Than 20 Micro Amps
Noise Attenuation	Better Than 100 dB	Better Than 100 dB	Better Than 100 dB
Electro Static & Electro Magnetic Noise			
Elimination	Better Than 60dB	Better Than 60dB	Better Than 60dB
Temp Rise Of Winding	Less than 90 Degree C	Less than 90 Degree C	Less than 90 Degree C
Operating Temperature	0 to 45'C	0 to 45'C	0 to 45'C
Insulation	Class F	Class F	Class F
Degree Of Protection	IP 31	IP 31	IP 31
Type Of Cooling	AN	AN	AN
Colour Shade	RAL 7016-Grey	RAL 7016-Grey	RAL 7016-Grey

Servo Stabilizer

ZEB-ACSS3P3P



**MICROPROCESSOR
CONTROLLED**

**DIGITAL VOLTAGE,
CURRENT &
FREQUENCY DISPLAY**

**COMPREHENSIVE
PROTECTION**

HIGH-EFFICIENCY

**RUGGED DESIGN
WITH HIGH MTBF**

**PAN-INDIA SALES &
SERVICE NETWORK**

SPECIFICATION

MODEL	ZEB-ACSS3P3P	
Phase	3-phase in / 3-phase out	
Parameter	3 Phase Unbalanced Air Cooled	3 Phase Unbalanced Oil Cooled
Rating (kVA)	3-150	3-2000
Type of cooling	Air	Oil
Input voltage range (V-L-L)*	310-480 / 340-480 / 360-460*	
Output voltage (V-L-L)*	415 (380V/400V-optional)*	
Output voltage Regulation	1% of nominal output voltage	
Input frequency range	47Hz - 53Hz	
Efficiency	>97%	
Effect of load power factor	Nil	
Waveform distortion	Nil	
Type of servo control	Micro controlled based true RMS sensing and correction	
Servo motor drive	Triac based drive for AC step synchronous motor	
Under / over voltage cutoff*	Electronic cutoff circuit with graded time delay, set @ +5% / -10% of nominal output voltage*	
Overload cutoff	CT Based electronic cutoff circuit with graded time delay set @ 110% of rated full load current	
Short circuit protection	MCB / MCCB provided upto 100kVA. For 125-200kVA HRC fuse (MCCB optional)	
Single phasing prevention	Provided	
Phase reversal trip	Provided	
Stabilizer bypass	Provided upto 50kVA 3 - phase; optional > 50kVA	
Transient suppression	Spike suppression through MOV is provided (surge arrester is optional)	
Emergency off switch	Provided	
Frequency cut off protection	Optional	
Input High Voltage Trip	Optional	
Resetting mode	Manual / Auto option provided with programmable time delay	
Display Type	2 Line LCD Panel	
Parameters displayed	Input & Output Voltages (Line & Phase), Output Currents & Frequency	
Parameters displayed	Fault Annunciation, Event Log	
LED indications	Non Latching LED lamps for Input Present, Output Normal, MCB Trip, Stabiliser Bypass (if Bypass Switch is provided)	
Input / Output Terminations	DIN Connectors upto 100 kVA, Busbar or Bolted terminals for ratings >100 kVA	

*Custom settings or ranges possible

Active Harmonic Filter

ZEB-AHF415V3P3W

ZEB-AHF415V3P4W

ZEB-AHF600V3P3W



**AUTOMATIC PF
IMPROVEMENT**

**OPTION OF 3 PHASE
3 WIRE / 3 PHASE
4 WIRE CONFIGURATION**

**INCREASE TRANSFORMER &
DG UTILISATION FACTORS**

**AVOID CAPACITOR
BANK FAILURES**

**AVOID PENALTIES
FROM EB**

**IMPROVE PF THEREBY
REDUCING DEMAND**

**REDUCE CABLE LOSSES AND
FAILURES**

**INCREASE TRANSFORMER &
DG UTILISATION FACTORS**

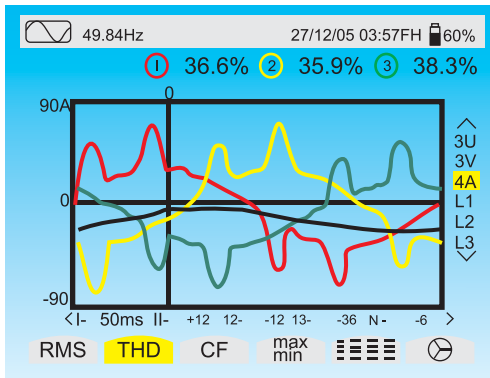
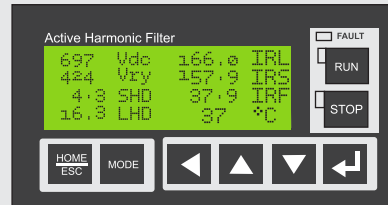
**AVOID
MACHINERY FAILURES**

Advantages :

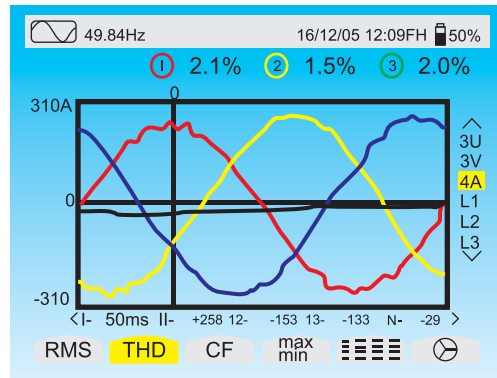
- IGBT design and digital fast fourier transform based harmonic compensation helps eliminate harmonics from 3rd to 51st order
- Option to mitigate selective harmonics or global harmonics
- Automatic PF improvement up to the unutilized capacity of filter
- Ability to connect up to 40 units of different ratings in parallel; Master-Slave combination or peer combination
- Harmonic attenuation up to 97% at rated current and prevents possible harmonic resonance
- Voltage independent harmonic current tracking for more immunity to input voltage distortion
- Inherent current limiting will prevent overload condition
- Option of 3ph 3 wire / 3ph 4 wire configuration; option of 575V model

The Key benefits that you would get by installing AHF are :

1. Avoid penalties from EB
2. Avoid machinery failures
3. Minimise tripping of switchgear
4. Increase Transformer & DG utilisation factors
5. Reduce Cable losses and failures
6. Avoid Capacitor Bank failures
7. Improve PF thereby reducing Demand



I - THD Before Harmonic Filter



I - THD After Harmonic Filter

Zebronic AHF helps you mitigate your harmonic problems comprehensively. Zebronic Portable Load Managers lets you can measure and analyse harmonics. Zebronic EMS System let you can integrate the AHF with the software and generate reports on harmonics.

SPECIFICATION

MODEL	ZEB-AHF415V3P3W / ZEB-AHF415V3P4W / ZEB-AHF600V3P3W													
Input power source	415 Vac, 3-Ph 3-Wire, 50 Hz					415 Vac, 3-Ph 4-Wire, 50 Hz					600 Vac, 3-Ph 3-Wire, 50 Hz			
	Voltage - 15% to +10%, Frequency ±5%													
Filter current in each phase (Arms)	30	60	100	150	200	300	60	100	150	200	100	150	200	220
Heat loss (Watt)	≤1200	≤2000	≤3000	≤5000	≤6100	≤7000	≤2100	≤3100	≤5150	≤6250	≤4300	≤6000	≤8000	≤8500
Control method	Digital Fast Fourier Transform with Hysteresis current control													
Harmonic filtering & order selection	Harmonic orders up to 51 st global / selective compensation from 3 rd to 51 st order with settable amplitude													
Harmonic attenuation ratio	Better than 97% at rated current													
Response time	One cycle (20 ms)													
Digital inputs	5-Programmable sequence inputs, sink / source changeable													
Digital outputs	4-Programmable sequence outputs, open collector type													
Potential free contacts	3-Programmable relays with 1-NO, 1-NC for 5A @ 240 VAC, Programmable between 12 different options													
Programmable analog outputs	2-Programmable analog current outputs 101 & 102: 4~20mA													
Display and keypad module	4-Line LCD panel													
	THDv, Line frequency, DC bus voltage, PF, DPF, kW, kVA, kVAR, VL-L													
	Current of Filter / Load / Source side for each phase, I-THD of Load and Filter side													
Protective functions	Over current			DC bus over voltage				Phase loss			Charging fault			
	Adjustable over current			DC bus under voltage				Ground fault			EEPROM fault			
	Timed over current			Over temperature				External fault			CT Detection fault			
Fault history	Last ten faults - with status at time of fault - are stored in memory													
Electronic thermal overload	110% overload for 60 seconds, above 100% harmonic current is limited by software													
Installation location	Indoor													
Type of cooling	Ambient temperature							Storage temperature						
Forced air cooling	0°C ~ 40°C							-20°C ~ 70°C						
Model derating with temperature	Above 40°C, derate the output current by 3% / 1°C maximum up to 55°C temperature													
Humidity	0~95% Maximum, non condensing													
Protection class / colour	IP 31 (optional - higher protection requirements) / RAL 7035													
Dimensions	A	A	B	B	C	C	B	B	B	C	B	C	C	C
Approximate weight in kg [lb]	80 [176.4]	90 [198.4]	272 [599.6]	280 [617.3]	350 [771.6]	430 [948]	251 [553.4]	280 [617.3]	320 [705.5]	422 [930.3]	275 [606.3]	360 [793.7]	470 [1036]	470 [1036]
Installation	A = Wall/Floor mounting, B, C = Floor mounting													
Dimensions (W X DX H) in mm	A = 480 X 370 X 1065					B = 600 X 600 X 1960					C = 800 X 600 X 2160			
Harmonic – Reference Standard	IEEE 519-1992, G5/4-1, GB/T 14549-93, IEC 61000-3-2, IEC 61000-3-4													
Safety	IEC 50178													

Line interactive UPS



ZEB-U1200



ZEB-U725



ZEB-U740

**COLD
START**

**GENERATOR
COMPATIBLE**

**OVERLOAD
PROTECTION**

**MICRO
CONTROLLER
BASED**

**SLEEP
MODE
CHARGING**

**LED
INDICATOR**

**BOOST
AND BUCK
AVR**

**SIMULATED
SINE WAVE**

SPECIFICATION

Parameters		ZEB-U1200	ZEB-U725	ZEB-U740
Capacity	VA/W	1000VA/600W	600VA/360W	600VA/360W
Input	Nominal Voltage	220-240 VAC		
	voltage range	140-300 VAC		
	Frequency	50/60Hz		
	Plug Type	3 Pin plug		
Output	Output Voltage (Battery mode)	230 V \pm 10%		
	Frequency Range (Battery Mode)	50/60Hz \pm 1%		
	Output Waveform	Simulated Sine Wave		
	Transfer Time	4-8 ms	4-8 ms	4ms
	No. Of Output sockets	3		
Protections	Overload,Short circuit, Over Discharge,Over Charge	YES		
Battery	Battery Type	12V 7Ah x 2	12V 7Ah x 1	12V 7Ah x 1
	Charging Time (upto 90% capacity)	4-6 hours	4-6 hours	4-6 hours
	Charging Current	1 A	1 A	1.5 A
Indicators	No. Of LEDs	3	1	1
	Buzzer	Battery mode, Overload & fault condition		
Physical Details	Dimensions (WxHxD) (in mm)	130x182x320	100x140x280	96x138x286
	Weight (in kg)	8.2	4.35	4.14
Environmental Factors	Operational Temperature	0-40°C		
	Noise Level	< 40dB		

Security UPS

ZEB-MLS750



**600 VA/
360W**

SPECIFICATION		
Parameters		ZEB-MLS750
Capacity	VA/W	600VA/360W
Input	Nominal Voltage	220-240 VAC
	voltage range	140-300 VAC
	Frequency	50/60Hz
	Plug Type	3 Pin plug
Output	Output Voltage (Battery mode)	230 V ± 10%
	Frequency Range (Battery Mode)	50/60Hz ±1%
	Output Waveform	Simulated Sine Wave
	Transfer Time	4-8 ms
	No. Of Output sockets	3
Protections	Overload, Short circuit, Over Discharge, Over Charge	YES
Battery	Battery Type	12V 7Ah x 1
	Charging Time upto 90% capacity)	4 - 6 hours
	Charging Current	1 A
Indicators	No. Of LEDs	1
	Buzzer	Overload & fault condition
Physical Details	Dimensions (WxHxD) (in mm)	101x142x279
	Weight (in kg)	4.2
Environmental Factors	Operational Temperature	0-40°C
	Noise Level	< 40dB



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- Promising Brand **The Economic Times 2019**
- Best Brand for Corporate Gifting (Gadgets) **DT 2018**
- Best Indian IT Brand of the year 2018 **NCN 2018**
- Brand of the year (Speakers) **Silicon India 2018**

128+ Service Centers

www.zebronics.com



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