



### Applications

- Dominant Power Back up source in Industries, Corporate Offices and BPOs.
- Provides reliable back-up to Office Equipments like Computers, Projectors, Printers, Scanners and Fax Machines etc.
- Banking, Multiplexes. & Shopping malls
- All Motor based applications like AC, Fire Pumps, Water Pumps, Compressors & other 3 Phase critical motorized equipments Water Coolers & Deep Refrigerators
- Petrol Pumps, Fuel Dispensing Machines
- Emergency and Transportable Power Systems
- Gym Equipments /Health Equipments like Joggers

### Salient Features of HKVA-UPS

- World's most advanced DSP technology based HKVA UPS.
- Highly reliable
- User friendly LCD display and Smart Charging
- Smooth operations of AC motors & other loads unlike the irritating noise that comes from Modified Sine Wave Systems
- Extremely low Total Harmonic Distortion (<3%)
- Electronic Changeover ensuring compatibility with Computers
- Special TDR (Time Delay Relay), for compressor based applications like AC a Short Circuit protection in Mains mode
- Capability of Surge Load up to 300%
- Very less operating cost in comparison with Online UPS & DG sets
- Equipped Bypass Switch to avoid the problems during system failure.
- Suitable with DG Sets
- Improved Crest Factor
- Protections: Circuit Trip, Over Load Trip, Over Temperature, Battery Low Trip, Mains Fuse Trip.

### Load Chart

Application	Load Type	2.5KVA	3.5KVA	5KVA	7.5KVA	10KVA	12KVA
Petroleum Outlet	Fan	-	2	4	5	5	5
	Tube Light	-	4	4	5	8	8
	Petrol Filling Machine	-	1	2	3	4	5
Institute	Fan Only	25	35	50	75	100	110
	Fan	15	20	35	55	70	75
	Tube Light	13	20	20	35	40	50
Browsing Centre	A.C.	-	-	1	1	2	2
	Fan	4	6	4	8	8	10
	Tube Light	4	6	4	8	8	10
	Computer	5	5	2	6	6	6
Browsing Centre	Fan	4	6	10	12	20	25
	Tube Light	4	6	10	12	20	25
	Computer	5	5	8	12	15	20
Corporate Bldg.	A.C.	-	-	1	1	1	2
	Fan	15	20	8	12	16	20
	Tube Light	13	20	8	12	16	20



AVAIL  
4 Years Warranty\* on  
EXIDE HKVA  
Static UPS Range with  
EL Range of Batteries  
from 100 AH to 200 AH

### Dimension of HKVA units:

Model Name	Dimensions (L X W X H) in mm	Weight Description
2.5KVA/36V	300 X 275 X 380	25.450Kg
2.5KVA/48V	300 X 275 X 380	26.200Kg
3.5KVA/48V	300 X 275 X 380	29.750Kg
5KVA/48V	400 X 275 X 470	39.750Kg
6KVA/66V	400 X 275 X 470	38.360Kg
7.5KVA/120V	400 X 275 X 470	50.150Kg

\*Condition Apply



## Technical Specifications

Description	3.6KVA	3.6KVA	6KVA	7.6KVA	10KVA	12KVA
<b>Back-up Mode</b>						
Output Wave Form	Pure Sine Wave					
Nominal Battery Voltage	36V DC 48V DC	48V DC	48V DC 96V DC 120V DC	120V DC 180V DC	120V DC 180V DC	192V DC
Output Power Factor	0.8					
No Load O/P Voltage	220V ± 5V AC			230V ± 5V AC		
O/P Frequency	50Hz±1Hz					
Maximum No Load Batt. Current				1.1A±0.2A (2.0A + 0.5A; spl. 5KVA/48V)		
Full Load O/P Current	8.7A±0.5A	11.5A±0.5A	17A±0.5A	27A±1A	34A±1A	42A±1A
Total Harmonic Distortion	<3%					
Low Battery Indication	10.5V ±/0.2V DC Per Battery (12V DC Each)					
Low Batt. Cut OFF	10.3V ±/0.2V DC Per Battery (12V DC Each)					
<b>Mains Mode</b>						
Max. Charging Current	10A ±1A (24A± 1A, spl. 5KVA/48V)					
Full Load O/P Current at Mains Mode	15A	17.6A	25A	35A	42A	45A
Boost Charging Voltage	14.2V ±/0.2V DC Per Battery (12V DC Each)					
Float Charging Voltage	13.7V ±/0.2V DC Per Battery (12V DC Each)					
<b>Normal Mode</b>						
Input Voltage Range	100V to 280V AC+10V AC			125V to 280V AC+10V AC		
Change Over Time (Mains to Inverter)	< 40ms					
Change Over Time (Inverter to Mains)	< 25ms					
<b>UPS Mode</b>						
Input Voltage Range	180V to 280V AC+5V AC					
Change Over Time (Mains to UPS)	<10ms					
Change Over Time (UPS to Mains)	<10ms					
<b>Protections</b>						
Protections	Output Not Ok, Battery Voltage Low (4 Auto Retries), Over Load (6 Auto Retries), Battery Over Charge, Over Temperature, Short Circuit, Mains MCB Tripped					
<b>Displays</b>						
Displays	Welcome Message, Capacity, Output Voltage, Output Frequency, Load Percentage, Input Voltage and Frequency, Load Percentage, Battery Charging, Battery Voltage and All Protections					
<b>Environmental Parameters</b>						
Operating Temperature	0-45 Deg.					
Acoustic Noise at 1 Mtr.	< 45 dB					
Relative Humidity	Max 95% non - Condensing					
Thermal Management	Integrated Cooling (Fan & Heat Sink)					

## THE NEW WAVE IN BACKUP PROTECTION

### DSP BASED INDUSTRIAL UPS

100% reliable and uninterrupted supply of pure sine wave power in milliseconds



Avail 4 years warranty with EL Range of Batteries

