



'ASEEM-OORJA'[®]

The Powerful Presence !



ISO Certified Company



UNINTERRUPTIBLE POWER SUPPLY (UPS)

ON-LINE UPS : This power supply eliminates all the problems from the Mains Power and in addition provides a back-up. The back-up time can be decided by the user. The latest PWM technology ensures a good sine wave and noiseless performance. The switching devices are either Mosfets or IGBT. Isolation; if required can be achieved by using a output transformer.

"ASEEM-OORJA" offers both single as well as double isolation UPS that have become the hallmark of rugged and reliable performance. Conforming to highest quality standards the "ASEEM-OORJA" UPS gives a feeling of confidence to the user. "ASEEM-OORJA" has following types of ON-LINE UPS :

1. **HIGH FREQUENCY ON-LINE UPS** : This UPS uses very high switching frequency thus reducing the size of the system. Since no transformers are used; the UPS is compact, light weight and very efficient.
2. **DOUBLE CONVERSION ON-LINE UPS** : Where isolation between I/P and O/P is a must, this UPS is preferred. Since a transformer is used in the output section, there is a fair degree of electrical isolation between I/P and O/P. Though heavier than High Frequency UPS; it is also a long life system.
3. **DOUBLE CONVERSION DOUBLE ISOLATION ON-LINE UPS** : Where it becomes necessary to achieve a very good isolation between I/P and O/P; for critical load this is the preferred UPS. A long life system, this also provides the benefit of lower DC Bus thus reducing the number of batteries.

Technology		SINE PWM WITH IGBT / MOSFET
Input	Window	170VAC to 270VAC (1pH), 300VAC to 460VAC (3pH)
	DC Bus	48 VDC to 360 VDC
	Efficiency	Over all efficiency better than 85%
Output	Voltage	230VAC \pm 1%, 50 Hz \pm 0.1% (Crystal Controlled)
	Output P/F	0.8 Lagging to Unity
	Transient Response	O/P overshoot & undershoot less than 5% for 100% load change
	Distortion	less than 5%
	Crest Factor	3:1
	Waveform	Pure Sine Wave
Genset Compatibility		Compatible to genset of any make
Protection		O/P overload, O/P short CKT, O/P over voltage, Battery low
Cooling		Forced Air Cooling
Indications		Mains ON, Invertor ON, System Overload, Battery Low
Working Conditions		0 to 45°C, humidity 95% RH (Non-condensing)

* Product specifications are subject to change without notice.

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OTHER PRODUCTS :

CONSTANT VOLTAGE TRANSFORMER (CVT) : This Power Supply works on Magnetic Saturation Principle. Due to this Property the correction is almost instantaneous. Besides, it also provides a very good isolation. Thus very good noise attenuation is achieved. Voltage fluctuations, spikes and surges, CMRR & DMRR noise all these electrical problems can be eliminated by using a CVT. "ASEEM-OORJA" is the only manufacturer of CVTs in the range of 1 to 10KVA. Using the finest material available in the market "ASEEM-OORJA" CVT's meet the most stringent standards of quality and performance.

SINEWAVE INVERTER : Inverters have become a necessity in today's life of load shedding. While use and throw Inverters are common, "ASEEM-OORJA" Inverters stand out in their performance and durability. Prompt after sales service makes our Inverter even more sought after power product in the market. Sine wave and silent in operation the inverter can be used for almost any type of load within the rating.

LIFT INVERTER : Lift Inverter has become crucial today. In case of power failure, the lift or elevator should keep running for some time. This is achieved using Proton Lift Inverter. This is packed with State Of The Art Technology and built-in ARD (Automatic Rescue Device). Thus making it more versatile.

ISOLATION TRANSFORMER : "ASEEM-OORJA" Isolation Transformer is a multishielded transformer. Special winding technique is employed while winding an Isolation Transformer, which reduces interwinding capacitance considerably. Isolation Transformer is designed to offer 'Clean Power' to the maximum by rejecting unwanted signals like common mode noise as well as differential mode noise generated by power consuming sources. It is enclosed in a well ventilated enclosure.

SERVO CONTROLLED VOLTAGE STABILIZER : This works on the principle of Auto Transformer. Instead of selection of taps there is a motor that moves the carbon brush along the winding to select appropriate voltage. Reasonable speed that is good for most of the instruments and voltage accuracy of about 1% can be expected. "ASEEM-OORJA" offers Servo Controlled Voltage Stabilizers from 5 KVA to 100KVA in single and 3 phase I/P & O/P.

ASEEM POWER TEKNEEKS PVT. LTD. started its operation in 1998 and over the years its brand 'ASEEM OORJA' has become synonymous with quality and reliability.

An ISO certified company, we have expanded our base from a humble beginning to thousands of satisfied customers.

Be it the IT Sector, Banking Sector, Corporates or Small Users "ASEEM-OORJA" has been catering to the power needs of customers in all the strata of business.

The Service from "ASEEM-OORJA" has become a talk of the industry and envy of competitors. A well qualified and dedicated team of engineers are ever ready to provide round the clock (24x7) service.

OUR PRESTIGE

 AMBARNATH JAI-HIND CO-OPERATIVE BANK LTD., AMBARNATH.	 अपना ARCH PHARMLABS LTD.	 BOMBAY MERCANTILE CO-OPERATIVE BANK LTD.	 Bank of Baroda बैंक ऑफ़ बड़ोदा
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