

**INLINE 1965**



**Take control Over Power**

**POWER APPLICATION SYSTEM**

AN ISO 9001 : 2015 Certified Company



## Making Power Perfect For You Since 2000

Power Application System, an ISO 9001:2015 certified company, is a name that has come to be synonymous with state-of-the-art power conditioning products, viz. UPS systems, Inverters, Frequency Converters, Battery chargers, Electronics Voltage Stabilizer etc, which utilize latest technologies prevalent across the globe. Set up in 2000, the company has gathered rich experience and expertise through research & development, manufacturing, distributing and servicing of power conditioning equipment. It is this, more than anything else, that has helped the company in ensuring high efficiency and reliability consistently. Today, the company's dedicated team of professionals is keen and willing to take on the challenges of the times worsening power conditions, rising demand and poor quality of the available power.

### The Core Values that We Nurture

To seek, build & maintain strong business relationships based on mutual trust.

To maintain highest standard of conduct and integrity in business, in letter & spirit.

To serve our customers through customized products & proactive services

To be an organization that is known not only for its size and revenues, but also for its intrinsic technical strength & proactive corporate social responsibility.

### The Mission

We shall strive relentlessly to offer customers greater value for money and endeavor to give total and precision-based power control into the hands of our customers. Simply, to keep total control over customer satisfaction right in our hands without compromising on quality, of course. After all, total customer satisfaction is not just a slogan for us, it's our credo.

### The Infrastructure and Facilities

Our in-house R & D infrastructure is supported by a team of dedicated professionals, which is constantly working on technology up-gradation. This gives us a competitive edge because we are able to offer customisation of any of the equipment in our range. Our promptness in addressing the requirements of customers in Delhi, U.P, Gujarat, Punjab, Chandigarh, Haryana and Orissa has made us a preferred manufacturer and supplier of power conditioning equipment.



## PRODUCT PORTFOLIO

### UPS SYSTEMS

#### (a) Line Interactive UPS : (0.5KVATO3KVA)

The INLINE1965 Line Interactive UPS System ensures maximum economy and reliability by employing fast transfer technology in which the mains voltage is regulated, filtered and fed to the load. It comprises a PWM inverter and a high-speed electronic switch to transfer power in less than 4 milliseconds.

#### (b) On-Line UPS : (0.5 KVA TO 200 KVA)

This range of UPSs utilises the cutting-edge inversion technology. It uses high-frequency Sine Weighted PWM. typi @ 20KHz & IGBTs as principal power switching elements. INLINE1965 On- Line UPS systems are also available in both the single-phase as well as the three-phase versions.

### INVERTERS

#### (0.25 KVA to 20 KVA)

This range of Inverters is available in the quasi sine wave & pure sine wave, and is used mainly for domestic & industrial applications. They offer regulated voltage & frequency. An advanced five-stage charger keeps the battery at optimum charge level using minimum possible energy.

### FREQUENCY CONVERTERS

#### (0.5 KVA TO 60 KVA)

This range of Converters is available in the sine wave / quasi sine wave versions. The Power Station Frequency Converters are also full-time Power Conditioners. These units can take any power from 46 to 65 Hz and convert it to either 50/60/400 Hz power. At the same time they regenerate the AC waveform, regulate both the output voltage as well as the frequency.



## BATTERY CHARGERS

(a) High Frequency S.M.P.S Based (40 watts to 1000 watts)

INLINE1965 Battery Chargers utilize state-of-the-art, high frequency switching, typi @ 100KHz, because it provides unity input power factor and, thus, offer a very high level of efficiency. Ultra low ripple & ultra fast correction rate makes it suitable for use with communication equipment / battery back-up. They can be configured for float / boost mode, too.

(b) Full Bridge Scr Controlled (250 watts to 50 Kw)

INLINE1965 Battery Chargers employ phase-controlled technology for ensuring very high reliability and continuous duty. These chargers have very fine regulation & stable output characteristics. They are also available in single-phase & three-phase-input versions. INLINE1965 Battery Chargers are best suited for heavy-duty industrial application, where a very high degree of reliability is required.

## POWERFUL ATTRIBUTES

### THE POWER OF CUSTOMIZATION

Besides the Company's obvious manufacturing and marketing strengths, customization of power conditioning equipment is one attribute that makes INLINE1965 stand out. After all, not everybody's power requirements are the same. So, why should the same equipment features be offered to two different customers with two different requirements? At INLINE1965, we dared to dream of offering our customers customization. Today, it is this capability of

customization that is helping us deliver higher value to customers, as well as touch success on a more confident footing.

An online UPS with output having variable voltage (100V AC to 270V AC) & variable Frequency (45.0 Hz to 62.0 Hz).

- 5 Nos. 5 KVA UPS with 4 Nos. of INLINE1965 UPS having the load and the 5<sup>th</sup> is working as hot stand by to all of them.
- 3 Nos. 20 KVA UPS with same above configuration having 3 phase input & single phase output.
- 40 KVA UPS with dual output of 100V AC line to neutral & 200V output, line to line. (3-phase)

INLINE1965 UPS installed for many critical industrial / Bio Medical equipment having highly sensitive & micro controller based circuits like PLC, CNC, Surface Grinder, Color Doppler, Laser Cameras, C. T. Scans, MRI. etc.



## TECHNICAL SPECIFICATION

	1Ø INPUT 1Ø OUTPUT	3Ø INPUT 1Ø OUTPUT	3Ø INPUT 3Ø OUTPUT
<b>INPUT</b>			
Voltage	230V - 20% + 15%	415V - 20% + 15%	415V - 20% + 15%
Frequency	50Hz ± 10%	50Hz ± 10%	50Hz ± 10%
Dc Voltage	120/180V Dc	360V Dc	360V Dc
<b>OUTPUT</b>			
Voltage	220 - 230V ±1%	220 - 230V ± 1%	415V - 20% + 15%
Frequency	50Hz ± 0.01%	50Hz ± 0.01%	50Hz ± 10%
Power Factor	0.7 Lag to Unity	0.7 Lag to Unity	0.7 Lag to Unity
Crest Factor	5:1	5:1	5.1
Transient Response	Output Remains Within 5%	Output Remains Within 5%	Output Remains Within 5%
On 10% To 100%	Recovery Within 1 Cycle	Recovery Within 1 Cycle	Recovery Within 1 Cycle
Output Isolation	In Built	In Built	In Built
Over Load	a 150% For 1 Sec b 110% For 1 Minute	150% For 1 Sec 110% For 1 Minute	150% For 1Sec 110% For 1 Minute
Input Over Voltage	Rectifier Trip	Rectifier Trip	Rectifier Trip
Dc Under/Over Voltage	Inverter Trip	Inverter Trip	Inverter Trip
O/P Under/Over Voltage	Inverter Trip	Inverter Trip	Inverter Trip
RIF / Emi Protection	Yes	Yes	Yes
Computer Interface	Through Db 9 Port (Optional)	Through Db 9 Port (Optional)	Through Db 9 Port (Optional)
Generator Compatible	Yes	Yes	Yes
Acoustic Noise	< 42 Db At One Meter	< 50 Db At One Meter	< 60 Db At One Meter
Static By Pass	Optional	Optional	Optional
<b>PROTECTIONS</b>			
Rectifier	Input Over Voltage/Under Voltage DC Over Voltage Battery Charging Over Current	Input Over Voltage/Under Voltage DC Over Voltage Battery Charging Over Current Single Phasing	Input Over Voltage/Under Voltage DC Over Voltage Battery Charging Over Current Single Phasing
<b>PROTECTIONS</b>			
Inverter	Output Over voltage/Under voltage Output Overload Output Short Circuit DC Under voltage Over Temperature	Output Over voltage/Under voltage Output Overload Output Short Circuit DC Under voltage Over Temperature	Output Over voltage/Under voltage Output Overload Output Short Circuit DC Under voltage Over Temperature
<b>AUDIO ALARM</b>			
Rectifier Trip	Mains Fail	Mains Fail	Mains Fail
Battery Low Pre-alarm	System Trip	System Trip	System Trip
Overload	System Trip	System Trip	System Trip
<b>ENVIRONMENT</b>			
Operating Temperature	0 to 45°C / 50°C optional	0 to 45°C / 50°C optional	0 to 45°C / 50°C optional
Storage	-10 to 70°C	-10 to 70°C	-10 to 70°C
Humidity	Up to 95% RH (Non-condensing)	Up to 95% RH (Non-condensing)	Up to 95% RH (Non-condensing)
Cooling	Forced air cooling	Forced air cooling	Forced air cooling

## INLINE 1965

### POWER APPLICATION SYSTEM

(AN ISO 9001-2015 CERTIFIED COMPANY)

**Manufacturers of :** UPS Systems, Invertorts, Servo Stabilizer, Super Isolation Transformer, AVR's, DB Panels, CVT's, Batteries  
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