

GIGALINE

UPS UPTO - 200KVA - Three / Three Phase

World Renowned Technology
High Power UPS Systems, **Now in India**

Salient Feature:

- Fully Programmable Rectifier, Inverter, Batteries, Static Switch & Dynamic Behavior.
- Jumper Selectable O / P Frequency 50 Hz, 60 Hz or 400 Hz
- Isolation Transformer for Better Performance
- Latest Microprocessor / DSP Technology
- 24 MIPS Highest Speed for Better Control
- Advanced Battery Management
- Isolated Output
- Upto 7 Units in Parallel
- Sixth Generation Low exhaust IGBT
- GUIDED. PC Testing for Easy Installation
- Single Control Card for Higher MTBF
- 100 % Unbalanced Load Acceptable
- ECO Mode
- Static & Manual Bypass

The GIGA Line Series includes the 10 KVA to 200 KVA (3 phase input, 3 phase output) double conversion On-Line UPS with an isolation transformer at Output. The Load is supplied continuously by the inverter with clean, stabilized and regulated sine wave output power. Input & Output filters increase the immunity of load from power disturbances and surges.

GIGA Line is useful for mission critical applications like IT, Call Centres, Hospitals, Industrial Automation etc. Thanks to state-of-the-art microprocessor / DSP based outstanding advanced technology design. GIGA Line is supplied with software which can be used for monitoring various parameters of the UPS and also can be useful for remote monitoring / control on the web by adding SNMP Card.

Isolation Transformer

The isolation transformer at the output provides galvanic isolation. A UPS without isolation transformer at its output may cause danger to the connected loads in case there occurs a short circuit in the IGBT blocks of the inverter unit. In that case there is a high probability that the connected loads will be burnt or damaged due to high DC Voltage. Another advantage of the galvanic isolation transformer is that it eliminates the peaks (electrical noise or instant peaks) that might appear at the phase, neutral or earth line. For example, in a rainy day if there hits a lightning at the input, the electrical noise will not be able to pass through the output voltage. As a result the load remain safe. UPS systems along with isolation transformer are more suitable for industrial application.

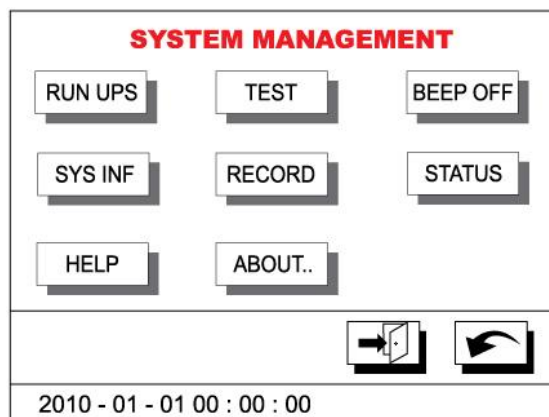
ECO-MODE

Eco-mode is a low-cost UPS operational mode, which provides high efficiency (98 %). If the bypass exists in the desired voltage range and the harmonic distortion is not so high, the loads can be fed from bypass instead of from inverter output. As soon as the bypass failure occurs, without any interruption the inverter output starts feeding the load. The user can also manually adjust the UPS to either Normal or Eco - Mode.

User Friendly Touching Screen Display

Touch-screen LCD monitors is our company's latest invention of the UPS modules, using today's most popular and intuitive graphical operation interface. Comparing with the traditional button-LCD display modules, the touch-screen display module shows a more rich content which avoids frequent page turning. At the same time because the user can get corresponding information by directly press the button on the display screen. It is easy to use easy to get. Meanwhile touch-screen display module comes with real-time clock and memory and can be recorded 256 incidents and other information, which is more humanize.

A gorgeous user interface consists of interactive multi-lingual displays. The display above shows energy flow over its mimic diagram and the position of the circuit breakers. all the parameters of input/output and battery. Menus are observed on this LCD



Communication Solutions

A wide range of common communication options are available with UPS that ensure your command and control over the installed UPS systems wherever they are located worldwide.

- **RS 232**
- **Dry Contacts (Programmable Relay Unit)**
- **SNMP : Network Solution (Optional)**
- **Connection with EPO with RS232 and RS485 ports (Optional)**
- **Remote Monitoring Panel via Modbus (Optional)**

TECHNICAL SPECIFICATIONS

Model: EA8910 EA8915 EA8920 EA8930 EA8940 EA8950 EA8960 EA8980 EA89100 EA89120 EA89150 EA89160 EA89200

Rating: 10 KVA 15 KVA 20 KVA 30 KVA 40 KVA 50 KVA 60 KVA 80 KVA 100 KVA 120 KVA 150 KVA 160 KVA 200 KVA

Classification & Operating Mode: True On Line, Double Conversion PWM based

AC Input

Phase	3 Phases +N +G
Voltage	380 - 400 - 415V
Voltage Tolerance	+ 15% - 20%
Frequency	50 / 60Hz \pm 10%
Power Factor	0.9 (6 Pulse), 0.95 12 Pulse
Soft Start	0~100% 5s

Bypass Input

Phase	3 Phases +N +G
Voltage	415V \pm 20%
Frequency	50 / 60Hz \pm 5%
Transfer Time	0ms, Inverter / Bypass (overload)
Battery Type	VRLA SMF / Tubular
Charging Current	10% of the Battery rating

AC Output

Phase	3 Phases + N + G
Voltage	380 - 400 - 415V \pm 2% (Static load); \pm 5% (Dynamic Load)
Frequency	50/60Hz \pm 0.05% (Battery Mode)
P. F.	0.8
Wave	True Sine Wave
Distortion	Total Harmonic Distortion : <3% (Linear Load); <5% (Non- Linear Load)
Transient	Response Transient Recover Time: <10 ms
Overload	125% for 10 Minutes; 150% for 1 Minute
Cooling	Forced Wind
Isolation Transformer	Available

Efficiency

AC to AC	93%
Eco Mode	98%
Interface	RS232, SNMP(Optional)
Temperature	0 ~ 45° C (Operating)
Humidity	30~95%
Altitude	< 1000 meter without de-rating

Optional		Harmonic Suppression Filter			
Architecture		Up to 7 Parallel Modules			
Noise (db)		48~60	53~65	55~65	60~65
Dimension (mm)	650 x 700 x 1350	760 x 720 x 1450	760 x 720 x 1600	1100 x 860 x 1680	1500 x 1250 x 1800