

## SALIENT FEATURES

- IGBT based double conversion on-line Topology
- DSP/Microprocessor Controlled
- Wide Input Range
- LCD Display
- Charger for extended backup time
- Scalable Battery option
- Generator Compatible



## CERTIFICATION

- RoHS
- OHSAS 18001
- ISO 9001
- ISO 14001

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TECHNICAL SPECIFICATIONS FOR **EPOCH 6KVA ON-LINE UPS SYSTEM**

| MODEL                 | AM 6000   |
|-----------------------|---|
| Capacity              | 6 KVA   |
| INPUT                 |   |
| Voltage Range         | 160 to 295V (It may be changed as per customer)   |
| Frequency             | 45 to 55Hz  |
| Power Factor          | 0.99 to unity   |
| OUTPUT                |   |
| Voltage               | 230VAC  |
| Regulation            | ±1%   |
| Frequency             | 50Hz ± 0.05% in free running mode   |
| Waveform              | Pure sine wave  |
| Harmonic Distortion   | < 3% at full load (non linear load)   |
|                       | < 2% (linear load)  |
| Crest Factor          | 03:01   |
| Overload Capacity     | 110% - for 10 min   |
|                       | 150% - for 5 cycles   |
| Output Power Factor   | 0.8   |
| BATTERY               |   |
| DC Bus Voltage        | 192 V   |
| Charger Type          | Built-in solid state float-cum-boost charger with automatic boost/trickle                                 |
| Transfer Time         | 0 ms  |
| Battrey Type          | VRLA-SMF/Tubular  |
| Charging Current      | 10% of Battrey AH   |
| INDICATOR             |   |
| Multi Function        | Battery Level, Load Level, AC Mode, Battery Mode<br>By Pass Mode,fault indicator                          |
| LED Display/LCD       |   |
| Display               |   |
| METERING              |   |
| LCD Display           | Input Voltage,Input Frequency, Output Voltage, Output Frequency,Output Current,Percentage Load.DC Voltage |
| AUDIBLE ALARM         |   |
| AC Failure            | Every 4 seconds   |
| Battery Low           | Every seconds when approaches to low level  |
| UPS Fault             | Continuous alarm  |
| PROTECTION            |   |
| Electronic Protection | Output overload, short circuit, Over temp, Battery low, Over charge,Input Voltage high/low                |
| EFFECIENCY            |   |
| Overall               | 87%   |
| Inverter              | > 92%   |
| AMBIENT CONDITION     |   |
| Temperature           | 0-40 degree centigrade  |
| Humidity              | 0-95% at non condensing   |
| Audible Noise         | < 60 db at 1 metre  |