G8000 Series

80/100/150/225/300 KVA

Models Now Available with 208 V Output

Input Power Factor > 0.99
Output Power Factor 1.0
Input Current THD < 5%
Internal Isolation Transformer
208 V Output Models Available
True Online, Double-Conversion UPS
100% Unbalanced Load Capability
Electronic Battery Isolation for Battery Longevity
Complete Front-Access for Installation, Operation, and Service
XT Series Designed for Extreme Applications (Harsh Environments)
External Battery Options for Customized Battery Backup Time
IGBT DC Converter/Inverter Design
Generator-Friendly Design and Compatibility
SNMP/Web-Based Monitoring
Flywheel Compatible
Assembled in USA

Unity Output P.F.
### G8000 UPS 80/100/150/225/300 KVA

<table>
<thead>
<tr>
<th>Model Number</th>
<th>T80S3K08KK6XS2H</th>
<th>T80S3K10KK6XS2H</th>
<th>T80S3K15KK6XSNH</th>
<th>T80S3K22KK6XSNH</th>
<th>T80S3K30KK6XSNH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>KVA/KW</td>
<td>80/80</td>
<td>100/100</td>
<td>150/150</td>
<td>225/225</td>
</tr>
<tr>
<td>Topology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage Range</td>
<td>480 V ±10 to -15% (408 to 528 V Without Utilizing Battery)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>Greater than 0.99 Lagging</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current THD</td>
<td>Less than 5%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>60 Hz (±5%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Limit</td>
<td>125% Maximum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Input
- **Voltage**: AC Input, 480 V, Three-Phase, Three-Wire + Ground/Bypass Input, 480 V, Three-Phase, Four-Wire + Ground
- **Voltage Range**: 480 V ±10 to -15% (408 to 528 V Without Utilizing Battery)
- **Power Factor**: Greater than 0.99 Lagging
- **Current THD**: Less than 5%
- **Frequency**: 60 Hz (±5%)
- **Current Limit**: 125% Maximum

### Output
- **Voltage**: 480/277 V, 208/120 V, Three-Phase, Four-Wire and Ground
- **Frequency**: 60 Hz, ±0.01%
- **Voltage Regulation**: ±1.0% (0.5% Typical)
- **Power Factor**: 1.0 Unity (20% More Power Over Previous Model)
- **Voltage THD**: ±3% for 100% Linear Loads, ±5% for 100% Non-Linear Loads
- **Overload (Inverter)**: 125% for 10 Minutes; 150% for 60 Seconds
- **Overload (Bypass)**: 1000% for One Cycle, 125% Continuous

### Battery
- **DC Link**: 360 VDC
- **Ripple Voltage**: ±0.2% of DC Voltage

### Environment
- **Temperature Range**: 0° to 30°C Unity PF, 0° to 40°C at 0.8 PF (Operating)
- **Relative Humidity**: 30% to 90% Non-Condensing
- **Heat Rejection at Unity PF**: 28,387 BTUs/Hour, 34,222 BTUs/Hour, 44,506 BTUs/Hour, 68,240 BTUs/Hour, 85,300 BTUs/Hour
- **Efficiency**: 90.6%, 91.2%, 93.0%, 92.3%, 92.7%
- **Altitude**: 3,200 Feet (1000 Meters) (Maximum Without Derating)
- **Audible Noise**: < 65 DBA at 1 Meter, < 68 DBA at 1 Meter, 70 DBA at 1 Meter

### Dimensions
- **Dimensions (W x D x H)**: 36.8” x 32.5” x 79.2”, 55.1” x 31.8” x 79.4”, 76.8” x 35.7” x 79.4”
- **Weight**: 1,390 lbs., 1,740 lbs., 2,467 lbs., 2,980 lbs., 4,575 lbs.

### Features
- Output Unity Power Factor, Dual-Input Feed, Output Isolation Transformer, Electric Battery Isolation, RS232 and Dry Contact Interface

### Standards
- UL 1778, CUL, NEC, ISO9001, ISO14001, ANSI C62.41 (IEEE 587)

### Warranty
- Three Years on UPS Electronics Standard; Up to Five Years Available; Three Years on Batteries with Startup Purchase; See Toshiba Warranty Policy for Full Details

### Service
- 24-Hour, 365-Day Technical Support 1-877-867-8773

---

**UPS ADJUSTABLE SPEED DRIVES MOTORS CONTROLS INSTRUMENTATION PLC**

**TOSHIBA INTERNATIONAL CORPORATION**
**INDUSTRIAL DIVISION**
13131 West Little York Road, Houston, Texas 77041
Tel 713/466-0277  Fax 713/466-8773
US 800/231-1412  Canada 800/872-2192  Mexico 001/800/527-1204
www.toshiba.com/ind
Copyright 7/2009  UPS G8000 B05 23 08-002

Available Through: