

**TOSHIBA**

## Uninterruptible Power Systems



TEKSAR LABS GROUP

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**3** Year  
Warranty



**97%**  
Efficiency



# G9000 Series

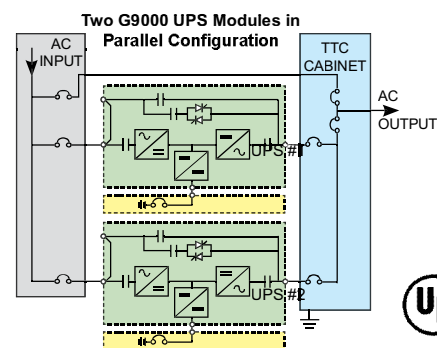
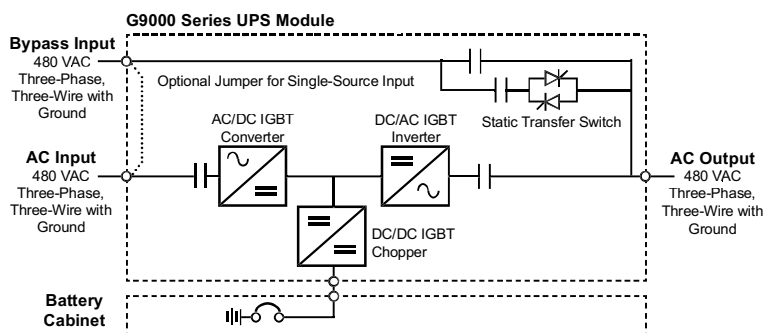
80/100/160/225/  
300/500/750 KVA UPS

- Next-Generation IGBT Technology
- True On-Line, Double-Conversion UPS
- Parallel Up to Eight Units
- Input Power Factor > 0.99
- Input Current THD < 3%
- Output Power Factor 1.0
- 100% Unbalanced Load Capability
- Wide Input Voltage Range +15%, -20% (Without Utilizing Batteries)
- High Efficiency for Lower Operational Cost
- Smallest Footprint & Highest Power Density in Industry
- Electronic Battery Isolation for Battery Longevity
- Generator-Friendly Design & Compatibility
- Complete Front Access for Installation, Operation, & Service
- Handles Leading Power Factor Loads (Without Derating)
- SNMP/Web-Based Monitoring
- Three-Year Warranty for Lower Cost of Ownership

# G9000 Series UPS

Model Number		T90S3S08K-S6XSN	T90S3S10-S6XSN	T90S3S16-S6XSN	T90S3S22K-S6XSN	T90S3S30K-S6XSN*	T90S3S50K-S6XSN*	T90S3S75K-S6XSN*
Capacity	KVA/KW	80/72	100/90	160/144	225/202.5	300/300	500/500	750/750
Topology	True On-Line, Double-Conversion, Advanced Multi-Level IGBT Technology							
Input	Voltage	480 V, Three-Phase, Three-Wire + Ground/Bypass Input, 480 V, Three-Phase, Three-Wire + Ground						
	Voltage Range	480 V, -20% to +15% (384 to 552 V Without Utilizing Battery)						
	Power Factor	Greater than 0.99						
	Current THD	< 3% at 100% Load (No Input Filter Required)						
	Frequency	60 Hz (± 10%)						
	Output	Voltage	480 V, Three-Phase, Three-Wire + Ground					
Frequency		60 Hz, ±0.01% (In Free-Running Mode)						
Voltage Regulation		±1.0% (0.5% Typical)						
Power Factor		0.9 Lagging				1.0 (Unity)		
Power Factor Range		0.9 Lagging to 0.95 Leading						
Voltage THD		< 2% for Linear Load, < 5% for Non-Linear Load						
Overload (Inverter)		125% for 2 Minutes; 150% for 60 Seconds				125% for 10 Minutes; 150% for 60 Seconds		
Overload (Bypass)		1000% for One Cycle				500% for One Cycle		
Parallel Capability		4 Units Max				8 Units Max		
Battery		DC Link	480 VDC					
Environment	Temperature Range	32° to 104°F (0° to 40°C)						
	Relative Humidity	5% to 95% Non-Condensing						
	Heat Rejection	10,771 BTUs/Hour	13,463 BTUs/Hour	17,821 BTUs/Hour	25,060 BTUs/Hour	30,709 BTUs/Hour	51,182 BTUs/Hour	76,773 BTUs/Hour
	Efficiency (Full-Load)	95.8%	95.8%	96.5%	96.5%	97.0%	97.0%	97.0%
	Efficiency (20% Load)	92.5%	92.5%	94.7%	94.9%	95.8%	95.8%	95.8%
	Altitude	7380 Feet Maximum Without Derating (2250 Meters)						
	Audible Noise	70 dBA at 1 Meter				73 dBA at 1 Meter		
Dimensions	Dimensions (W x D x H)	27.6 x 32.8 x 80.6 in. (700 x 832 x 2047 mm)		35.4 x 32.8 x 80.6 in. (900 x 832 x 2047 mm)		86.7 x 33 x 80.7 in. (2200 x 838 x 2050 mm)		102.3 x 33 x 80.7 in. (2600 x 838 x 2050 mm)
	Weight	855 lbs. (388 kg)	855 lbs. (388 kg)	1160 lbs. (526 kg)	1230 lbs. (558 kg)	2200 lbs. (1000 kg)	3300 lbs. (1500 kg)	4850 lbs. (2200 kg)
Features	Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Range, Transformer-Less Design, N+1 and N+N (Up to Eight in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Interface, Small Footprint, Lightweight Design							
Standards	UL 1778, CUL, ISO9001, ISO14001, ANSI C62.41 (IEEE 587), FCC Class A, Article 47, Part 15.B							
Warranty	Three-Year Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details							
Service	24-Hour, 365-Day Technical Support 1-877-867-8773							

\* Preliminary Specifications Only; Subject to Change Without Notice



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

# TOSHIBA

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