TOSHIBALeading Innovation >>>







POWER & EFFICIENCY REDEFINE UPS PERFORMANCE STANDARDS

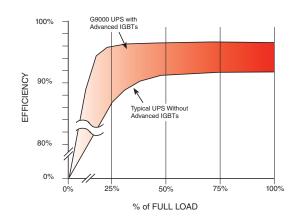


The Toshiba G9000 Uninterruptible Power System (UPS) utilizes state-of-the-art design and construction to deliver industry-leading efficiency, reliability, performance, and flexibility to meet today's critical power demands.

- Next-Generation IGBT Technology
- True On-Line, Double-Conversion UPS
- · Parallel Up to Eight Units
- Input Power Factor > 0.99
- Input Current THD < 3%
- 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

SMALLEST FOOTPRINT WITH HIGHEST POWER DENSITY

- A High Efficiency Design separates the G9000 from the competition. Efficiency greater than 92.5% at 20% loading means lower power losses, reduced air conditioning needs, and reduced utility costs across a wide load range without sacrificing frequency or output voltage stability.
- A Transformer-Less Design allows the G9000 to be lighter with a smaller footprint. With its compact size, the G9000 has the highest energy density per square foot of any UPS of similar capacity.



ADVANCED FEATURES FOR MAXIMUM PERFORMANCE

- Fast-Switching IGBT Control Technology delivers up to 97% efficiency.
- A Full IGBT Rectifier & Harmonic Input Filter reduce input total harmonic distortion (THD) which also reduces heat loss in associated feed equipment and increases component life.
- An IGBT DC-to-DC Chopper produces lower DC ripple on the charging circuit, extending battery and capacitor life.
- · A Hybrid Static-Bypass Switch offers the highest level of dependability.
- Improved Output Voltage Regulation provides superior transient response, easily handling 100% step loads without requiring battery support.
- A Generator-Friendly Design allows sizing of 1.1 kW generator capacities per 1.0 UPS kVA load.
- Units can be Paralleled up to eight modules for increased capacity and redundancy.
- · Robustly Engineered Units are built using the highest quality components to ensure reliability.



> HARDWARE OPTIONS

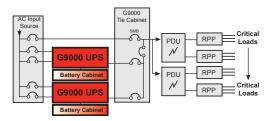
Batteries & Flywheels are two options for energy storage. The robust recharge circuitry of the G9000 allows use of VRLA batteries in matching cabinets or wet cell betteries without requiring a supplemental charger.

The G9000 UPS Tie Cabinet provides an attractive, simple landing point for a multi-module G9000 system's output. Toshiba's solution is a smaller, lighter option with no control electronics compared to those offered by competitors. An optional 15-inch color LCD display is available for centralized monitoring of module and system status as a supplement to individual module monitors.

Maintenance Bypass Cabinets are available in wall-mount and standalone versions, as well as a custom designed slim-line version that matches the height and depth of the G9000 to seamlessly blend with the UPS.

Optional Power Distribution Units (PDU) with internal 480/208 transformers and Remote Power Panels (RPP) are available in a range of sizes and capacities.







> MONITORING OPTIONS

RemotEye II interface offers remote monitoring and analysis of UPS operation via HTTP and SNMP.

- Detailed Real-Time Status of UPS
- Email Notification of Status & Events
- Event & Alarm History Logging
- Remote Control of UPS via Internet

Industrial Bus ProtoNode protocol adapter supports:

- SNMP
- Modbus/RTU
- Modbus/TCP
- BACnet MSTP

- BACnet IP
- AB EtherNet/IP
- Metasys N2

Hard-Wired Remote Status Alarm Panel (RSAP) enables remotemonitoring of UPS alarm/status points up to 1000 feet away.

> FACTORY WITNESS TESTING

Toshiba has completed construction of a 3 MVA Witness Test Facility at its plant in Houston, Texas. Customers can now perform witness testing to validate their system's performance specifications in all operating modes prior to taking delivery.

Multi-module parallel configurations, including battery or flywheel backup, can be assembled and tested in all modes before shipment for final installation.







SERVICE PROVIDERS

Toshiba's growing network of more than 120 Authorized Service Providers supply factory trained technicians to service and support Toshiba UPSs throughout the contiguous United States, Canada, Caribbean, Mexico, and Central and South America.

MAINTENANCE AGREEMENTS

Three standard levels of maintenance agreement packages are available to provide the service support appropriate to your needs and budget while maximizing the performance and life of your Toshiba UPS. Tailored, site-specific service agreements range from simple scheduled preventive maintenance programs to extended warranty programs with guaranteed response times, 24/7/365 coverage, and discounted replacement parts.

> PREVENTIVE MAINTENANCE

Derived Mean Time Between Failure (MTBF) rates are based on an ideal operating environment. Real operating environments vary from benign to outright hostile. Preventive maintenance will help ensure you get the maximum service out of your Toshiba system.

The maintenance needs of a UPS are minimal but crucial.

- Periodic inspection, calibration, and adjustment of the UPS's control and monitoring systems are necessary to ensure continued optimal performance and the highest level of reliability.
- Regular maintenance can help detect early signs of degradation in capacitors, fans, and other components, to allow for timely repair without the UPS unexpectedly failing. This is particularly important in harsh environments with excessive humidity, temperature extremes, frequent out-of-specification voltage excursions, and abrasive air particles.

WARRANTY

The G9000 UPS and the UPS backup battery system are supported by Toshiba's industry-leading three-year parts and labor warranty* and a 24/7/365 hotline. This ensures that customers get the quickest possible resolution to any warranty or service issues that may arise.

^{*} Conditional to system startup by an authorized Toshiba UPS service provider. See three-phase warranty for details.



>100 - 225 kVA

MODEL NUMBER	T90S3S10KS6XSN	T90S3S16KS6XSN	T90S3S22KS6XSN		
Capacity (KVA/KW)	100/90	160/144	225/202.5		
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				
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				
Overload (Bypass)	1000% for One Cycle				
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	13.5 kBTU/Hour	17.8 kBTU/Hour	25.1 kBTU/Hour		
Efficiency (Full Load)	95.8%	96.5%			
Efficiency (20% Load)	92.5%	94.7%	94.9%		
Altitude	7380 Feet Maximum Without Derating (2250 Meters)				
Audible Noise	70 DBA at 1 Meter				
DIMENSIONS					
	27.6 x 32.8 x 80.6 in. 35.4 x 32.8 x 80.6 in.				
Dimensions (W x D x H)	(700 x 832 x 2047 mm)	(900 x 832 x 2047 mm)			
Weight	855 lbs. (388 kg)	1160 lbs. (526 kg)	1230 lbs. (558 kg)		
FEATURES					
		al IGBT Converter & Inverter, High Efficiency Over Wi I-Input Feed, Electronic Battery Isolation, RS232 and			
STANDARDS					
	UL 1778 and UL-C Listed, C.E. ISO9001, ISO1400	1, ANSI C62.41 (IEEE 587), FCC Class A, Article 47,	Part 15.B		
WARRANTY					
	Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details				
SERVICE					
	24-Hour, 365-Day Technical Support 1-877-867-877	73			



MODEL NUMBER	T90S3S30KS6XSN	T90S3S50KS6XSN	T90S3S75KS6XSN		
Capacity (KVA/KW)	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	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 10 Minutes; 150% for 60 Seconds				
Overload (Bypass)	500% for One Cycle				
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	31.7 kBTU/Hour	52.8 kBTU/Hour	79.2 kBTU/Hour		
Efficiency (Full Load)	97.0%				
Efficiency (20% Load)	94.4%	94.8%	95.5%		
Altitude	7380 Feet Maximum Without Derating (2250 Meters)				
Audible Noise	73 DBA at 1 Meter				
DIMENSIONS					
Dimensions (W x D x H)	51.2 x 32.7 x 80.7 in. (1300 x 832 x 2050 mm)	70.9 x 32.7 x 80.7 in. (1800 x 832 x 2050 mm)	90.6 x 32.7 x 80.7 in. (2300 x 832 x 2050 mm)		
Weight	2260 lbs. (1025 kg)	3360 lbs. (1500 kg)	4250 lbs. (1928 kg)		
FEATURES					
	Digital Signal Processor (DSP) Control, Fully Digital II & N+N (Up to Four in Parallel) Capability, Dual-Input I weight Design				

UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2

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

Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details

STANDARDS

WARRANTY

SERVICE



	NUMBER	T90S3S01MS6XSN		
NPUT	(VA/KW) 1000 kVA	1000 kVA/1000 kW		
Voltage 480 V, Three-Phase, Three-Wire + Ground/Bypass Input; Voltage Range 480 V, Three-Phase, Three-Wire + Ground Power Factor Greater than 0.99 Current THD < 3% at 100% Load (No Input Filter Required)	True On-l	True On-Line, Double Conversion, Advanced Multi-Level IGBT Technology		
480 V, Three-Phase, Three-Wire + Ground				
Power Factor Greater than 0.99 Current THD < 3% at 100% Load (No Input Filter Required)				
Current THD < 3% at 100% Load (No Input Filter Required)	inge 480 V, –2	480 V, -20% to +15% (384 to 552 V Without Utilizing Battery)		
Frequency	tor Greater tl	Greater than 0.99		
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 1.0 (Unity) Power Factor Range 0.7 Lagging to 0.8 Leading Voltage THD <2% for Linear Load; <5% for Non-Linear Load	ID < 3% at 1	< 3% at 100% Load (No Input Filter Required)		
Voltage 480 V, Three-Phase, Three-Wire + Ground Frequency 60 Hz, 2.0.01% (In Free-Running Mode) Voltage Regulation ±1.0% (0.5% Typical) Power Factor 1.0 (Unity) Power Factor Range 0.7 Lagging to 0.8 Leading Voltage THD < 2% for Linear Load; < 5% for Non-Linear Load	60 Hz (±	60 Hz (±10%)		
Frequency 60 Hz, ±0.01% (In Free-Running Mode) Voltage Regulation ±1.0% (0.5% Typical) Power Factor 1.0 (Unity) Power Factor Range 0.7 Lagging to 0.8 Leading Voltage THD < 2% for Linear Load; < 5% for Non-Linear Load	Γ			
Voltage Regulation ±1.0% (0.5% Typical) Power Factor 1.0 (Unity) Power Factor Range 0.7 Lagging to 0.8 Leading Voltage THD <2% for Linear Load; <5% for Non-Linear Load	480 V, Th	nree-Phase, Three-Wire + Ground		
Power Factor 1.0 (Unity) Power Factor Range 0.7 Lagging to 0.8 Leading Voltage THD < 2% for Linear Load; < 5% for Non-Linear Load	60 Hz, ±0	60 Hz, ±0.01% (In Free-Running Mode)		
Power Factor Range 0.7 Lagging to 0.8 Leading Voltage THD < 2% for Linear Load; < 5% for Non-Linear Load	gulation ±1.0% (0.	±1.0% (0.5% Typical)		
Voltage THD < 2% for Linear Load; < 5% for Non-Linear Load	tor 1.0 (Unity	1.0 (Unity)		
Overload (Inverter) 125% for 10 Minutes; 150% for 60 Seconds Overload (Bypass) 500% for One Cycle 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 112.8 kBTU/Hour Efficiency (25% Load) 96.8% Efficiency (25% Load) 96.3% Altitude 6500 Feet Maximum Without Derating (1981 Meters) Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design VARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	tor Range 0.7 Laggi	0.7 Lagging to 0.8 Leading		
Overload (Bypass) 500% for One Cycle 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 112.8 kBTU/Hour Efficiency (Full Load) 96.8% Efficiency (Full Load) 96.8% Altitude 6500 Feet Maximum Without Derating (1981 Meters) Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) (3003 x 902 x 2050 mm) Weight 613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	ID < 2% for	Linear Load; < 5% for Non-Linear Load		
BATTERY DC Link	Inverter) 125% for	10 Minutes; 150% for 60 Seconds		
DC Link	Bypass) 500% for	One Cycle		
ENVIRONMENT Temperature Range 32° to 104°F (0° to 40°C) Relative Humidity 5% to 95% Non-Condensing Heat Rejection 112.8 kBTU/Hour Efficiency (Full Load) 96.8% Efficiency (25% Load) 96.3% Altitude 6500 Feet Maximum Without Derating (1981 Meters) Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	RY			
Temperature Range 32° to 104°F (0° to 40°C) Relative Humidity 5% to 95% Non-Condensing Heat Rejection 112.8 kBTU/Hour Efficiency (Full Load) 96.8% Efficiency (25% Load) 96.3% Altitude 6500 Feet Maximum Without Derating (1981 Meters) Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) 118.2 x 35.5 x 80.7 in. (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	480 VDC			
Relative Humidity 5% to 95% Non-Condensing Heat Rejection 112.8 kBTU/Hour Efficiency (Full Load) 96.8% Efficiency (25% Load) 96.3% Altitude 6500 Feet Maximum Without Derating (1981 Meters) Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) 118.2 x 35.5 x 80.7 in. (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	NMENT			
Relative Humidity 5% to 95% Non-Condensing Heat Rejection 112.8 kBTU/Hour Efficiency (Full Load) 96.8% Efficiency (25% Load) 96.3% Altitude 6500 Feet Maximum Without Derating (1981 Meters) Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) 118.2 x 35.5 x 80.7 in. (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	re Range 32° to 104	4°F (0° to 40°C)		
Heat Rejection 112.8 kBTU/Hour Efficiency (Full Load) 96.8% Efficiency (25% Load) 96.3% Altitude 6500 Feet Maximum Without Derating (1981 Meters) Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	<u> </u>			
Efficiency (25% Load) 96.3% Altitude 6500 Feet Maximum Without Derating (1981 Meters) Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) 118.2 x 35.5 x 80.7 in. (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	-	· · · · · · · · · · · · · · · · · · ·		
Altitude 6500 Feet Maximum Without Derating (1981 Meters) Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) 118.2 x 35.5 x 80.7 in. (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	Full Load) 96.8%			
Audible Noise 73 DBA at 1 Meter DIMENSIONS Dimensions (W x D x H) 118.2 x 35.5 x 80.7 in. (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	25% Load) 96.3%			
DIMENSIONS Dimensions (W x D x H) 118.2 x 35.5 x 80.7 in. (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS VL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	6500 Fee			
Dimensions (W x D x H) 118.2 x 35.5 x 80.7 in. (3003 x 902 x 2050 mm) Weight 6613 lbs. (3000 kg) FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details				
Dimensions (W x D x H) 118.2 x 35.5 x 80.7 in. (3003 x 902 x 2050 mm)	SIONS			
FEATURES Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	с (W x D x Ц) 118.2 x 3			
Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details				
Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Ran N+1 & N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Lightweight Design STANDARDS UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	RES			
UL 1778 and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2 WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	N+1 & N-	gnal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Range, Transformer-Less Design, +N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Interface, Small Footprint, & pht Design		
WARRANTY Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	ARDS			
Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	UL 1778	and UL-C Listed, C.E. ISO9001, ISO14001, ANSI C62.41 (IEEE 587), IEC 62040-2		
Three Years Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details	NTY			
	1	ars Onsite (Optional Two-Year Extended Warranty); See Toshiba Warranty Policy for Full Details		
				
24-Hour, 365-Day Technical Support 1-877-867-8773		365-Day Technical Support 1-877-867-8773		



FLEXIBLE BY DESIGN

The G9000 is the most efficient double-conversion UPS on the market with less space per kilowatt than any similar-capacity UPS. It delivers the utmost in design flexibility and can provide the ideal solution, regardless of the user's backup power needs.

> SINGLE MODULE

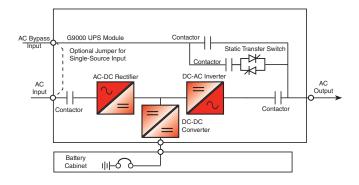
- · Single- or Dual-Source Input
- DC-to-DC Isolation
- Internal Hybrid Static Bypass Circuit
- Controllable at Local LCD Panel or Through Customer Supplied Interface
- Monitor UPS Locally or Remotely

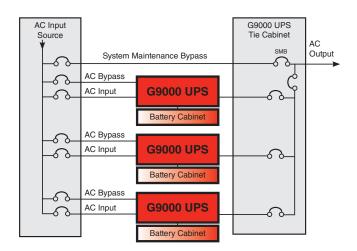
> MULTI-MODULE

- Parallel Up to Eight Units without Additional Control Circuitry
- Load Capacity 100 kVA to 8 MVA
- Distributed Bypass Eliminates Potential Single Point of Failure in Bypass Mode
- Tie Cabinet Does Not Require Special Control Circuitry for Future Expansion
- Individual Modules & Entire System Monitored & Controlled via Local Displays in Each UPS or Through Optional System Display in TTC
- Load Balance & Synchronization Intelligence are Self-Contained in Each UPS Module & Not in External Sync Controller, Increasing System Reliability & Making Expansion/Reconfiguration of Parallel Multi-Module Systems Easy

APPLICATIONS

- Data Centers
- Call Centers
- Financial Institutions
- Co-Locations













TOSHIBA POWER ELECTRONICS DIVISION:

- Uninterruptible Power Systems
- Rechargeable Batteries
- Power Conditioning Systems
- Remote Monitoring

TOSHIBA

Leading Innovation >>>

www.toshiba.com/tic