

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

POWER ELECTRONICS

Top Ten Reasons to Buy a UPS



**TOP TEN
REASONS**

TOP TEN REASONS TO BUY A TOSHIBA UNINTERRUPTIBLE POWER SYSTEM

1 - LOW COST OF OWNERSHIP

Since releasing the first high capacity UPS in 1967, Toshiba continues to improve its ability to supply critical power solutions. Our end-to-end solutions are designed with industry leading efficiencies and built for a 15 to 20 year lifespan. They offer minimum maintenance requirements and lower cost of ownership for customers.

2 - WORRY-FREE DESIGN

Toshiba offers reliable, performance-driven, double-conversion UPS products. The double conversion topology is the only UPS architecture that helps ensure the safety of the critical load regardless of utility interruption, power surges, power spikes, and other risks. Most of Toshiba's products are manufactured in Houston, Texas.

3 - UNPARALLELED SUPPORT WITH IOT

Based in Houston, TIC's expertise in applications engineering, service support, and monitoring solutions provides customers factory support for every need. Our customers have the benefit of using the Toshiba Monitoring System (TMS), an Internet of Things (IoT) platform giving them unparalleled connectivity to the status of their critical power equipment. TMS uses secure, lightweight, and flexible communication to track UPS health, maximize uptime, and instantly identify faults. Toshiba's large, responsive service network includes 24/7 monitoring service, a wide offering of preventive maintenance options, and maintenance contracts.

4 - LONGER LASTING BATTERIES

Toshiba UPS systems utilize a DC/DC converter with low ripple current to manage the charging current delivered to energy storage systems. Coupled with a wide input voltage window to minimize discharge events, customers will get the maximum service life for their energy storage devices no matter the technology; VRLA, lithium ion, wet cells, and flywheels are utilized in an efficient and safe manner when connected to a Toshiba UPS.

5 - MAXIMIZE BUILDING SPACE

Toshiba UPS systems have industry leading capacity to footprint ratios and are built to operate at up to 109% rated load continuously. Customers can get the most out of critical power space with a Toshiba UPS while maximizing space for additional equipment.

6 - NEXT GENERATION ELECTRONICS

Toshiba UPS systems utilize electronics that push the performance boundary of power devices while maintaining reliability. This includes up to 7th generation IGBTs for AC power conversion and Class 3 printed circuit boards. The combination of time-tested architecture with superior components maximizes performance, longevity, and efficiency.

7 - EFFICIENT DESIGN

Toshiba systems are designed to bring value to customers with high-efficiency components without compromising robust protection of the double-conversion topology. The G2020 Series UPS achieves >98% efficiency, a value only achieved on other systems by utilizing "ECO Mode" where the load is not actively protected by the UPS inverter, introducing vulnerability to the system. Toshiba UPS systems maintain their efficiency while adapting well to faults and poor power quality.

8 - SIMPLE & COMPATIBLE UPS MONITORING

The Toshiba RemotEye® 4 is the most powerful and versatile real-time UPS monitoring module solution in the Toshiba RemotEye family. The card allows the Toshiba UPS to be easily integrated into management systems via HTTPS, SNMP, Modbus® TCP/RTU, and BACnet® IP/MSTP protocols. It also provides a mobile-friendly web interface complete with notifications. Pair the RemotEye 4 with the RemotRadar® software for powerful real-time monitoring of up to 5,000 network-connected UPSs.

9 - TOSHIBA SCiB® LITHIUM ION BATTERY

Manufactured by Toshiba, the SCiB battery utilizes a unique Lithium Titanate chemistry for industry-leading service life of over 80% capacity after 15,000+ full cycles, fast charge & discharge rate capability, operating temperature range of -30° to 55°C, and meets fire protection standards UL9540 and NFPA855. The SCiB Energy Storage System has a 12 year warranty and can be integrated into building or management systems, making it an optimal choice.

10 - THREE YEAR WARRANTY

Through rigorous product testing and quality control, Toshiba has continuously set the standard in reliability and performance. Toshiba's three-year warranty is one of the longest in the industry and covers UPS electronics as well as maintenance bypass and battery cabinets in three-phase systems.



TOSHIBA POWER ELECTRONICS

Uninterruptible Power Systems • SCiB™ Lithium Ion Batteries
Energy Management Systems • Remote Monitoring
High Power Chargers • Containerized Solutions
PDU • RPP • Server Rack Enclosures

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