TOSHIBA

UNINTERRUPTIBLE POWER SYSTEM

3000 SP Series

3000 SP SERIES UPS

POWER ELECTRONICS DIVISION

POWERING TOMORROW WITH MODULAR PRECISION AND RELIABILITY

Introducing the 3000 SP Series UPS – a next-generation, true on-line, double conversion, Uninterruptible Power System (UPS) designed for superior reliability and scalability in critical applications. Available in 6kVA/kW, 12kVA/kW, 18kVA/kW, and 24kVA/kW capacities, this high-performance UPS provides uninterrupted power with online double-conversion technology and Voltage and Frequency Independent (VFI) operation for ultimate protection.

3000 SP Series UPS is Optimized for a Variety of Critical Power Applications

Edge Data Centers | **IT Systems** | **SMBs** | **Manufacturing** | **Commercial**

Built for flexibility, the modular design allows seamless scalability from 6kVA to 24kVA in 6kVA increments, while hot-swappable power and battery modules simplify maintenance and minimize downtime. The 3000 SP Series delivers high efficiency in both online mode and ECO Mode, optimizing energy savings without compromising performance.

Equipped with embedded RemotEye® 5 remote monitoring, it provides enhanced visibility and control, making it the ideal power protection solution for small to medium-sized applications. Power up with confidence—choose the 3000 SP Series UPS.

1. **Scalable Architecture** – Expandable 30U rack design to accommodate increasing power demands
2. **Hot-Swappable Modules** – Seamless replacement without power interruption
3. **High Reliability** – N+X redundancy ensures fail-safe operation.
4. **Flexible Configuration** – 8 Universal Slots for customizable power and battery module allocation.
5. **Advanced Safety** – Equipped with backfeed contactor and terminal block for secure connections.

UNITY POWER FACTOR

The unity power factor (kVA = kW) achieves maximum efficiency by delivering 100% usable power, eliminating wasted capacity, and optimizing energy utilization.

TRUE DOUBLE-CONVERSION

The 3000 Series utilizes online double-conversion technology to effectively isolate network disturbances and maximize load uptime.

MODULAR DESIGN WITH HOT SWAPPABLE FOR EASE OF POWER EXPANSION, INSTALLATION, AND MAINTENANCE

The 3000 SP Series UPS features a modular design with eight universal slots for hot-swappable power and battery modules, allowing for capacity or redundancy to meet varying power protection needs.

50HZ/60HZ FREQUENCY CONVERTER

Lock the output frequency at 50Hz / 60Hz to accommodate power-sensitive equipment.

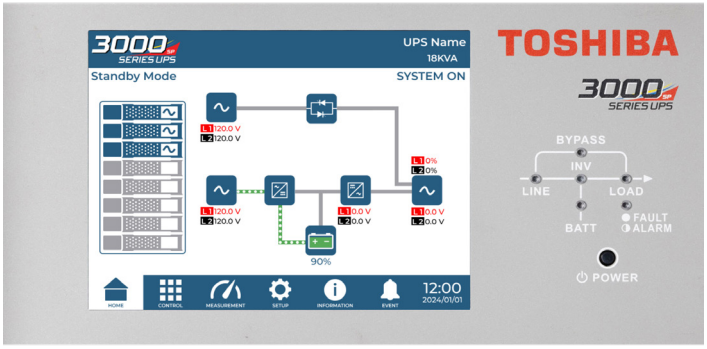
ECO MODE OPERATION FOR ENERGY SAVING

ECO mode enhances efficiency up to 98%, reducing energy usage and costs. In this mode, loads are powered directly by the mains. In the event of a mains failure, the UPS seamlessly provides uninterrupted power to connected devices.

3 THREE YEAR WARRANTY

HMI LCD TOUCH SCREEN

The 3000 SP Series features a 10-inch HMI LCD touch panel for local monitoring, operation, and control.

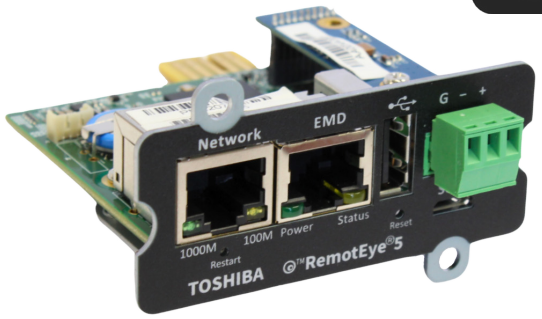


REMOTEYE® IIOT NETWORK CARD

Introducing the RemotEye® 5 network card, an advanced IIoT (Industrial Internet of Things) device designed for seamless remote UPS monitoring. Operating within LAN (Local Area Network) or WAN (Wide Area Network) environments, RemotEye® 5 enables real-time system oversight and integration with widely used industrial protocols, providing compatibility with any management system. This innovative solution enhances reliability, efficiency, and ease of operation for critical power infrastructure.

Features:

- Embedded Web Server
- Built in AI
- User-friendly Interface
- Webhook notifications
- Automated email notifications
- Data logging
- Supports Modbus TCP/RTU, BACnet/IP, SNMP, and HTTPS Protocols



RATED OUTPUT	6kVA/kW	12 kVA/kW	18 kVA/kW	24 kVA/kW
AC INPUT				
Configuration	2 Phase + Neutral + Ground (3W+G)			
Voltage	240/120 V or 208/120 (+10% to -10%)			
Frequency	60/50 Hz +/-10%			
Power Factor	0.99 @ full load			
Max Input Current	32A	64A	96A	128A
BATTERY				
Type	Internal VRLA Batteries			
Run time	~7mins, one to one ratio @100% load			
Nominal Voltage (Lead Acid)	±120 VDC			
Maximum Charge Current (Adjustable)	4A	8A	12A	16A
AC OUTPUT				
Configuration	2 Phase + Neutral + Ground (3W+G)			
Voltage	240/120 or 208/120 V			
Voltage Regulation	< ±1% (240/120V); < ±3% (208/120V)			
Rated Output Current (rms) per Phase	25A	50A	75A	100A
Frequency	60/50 Hz Auto Sensing/Selectable			
Crest Factor	3:1			
Voltage THD	< 4% maximum THD at 100% linear load < 5% maximum THD at 100% non-linear load			
Voltage Unbalance	1% maximum at 100% unbalanced load			
Inverter Overload	100%-110% for 30 min; 111%-130% for 5 min; 131%-148% for 10 sec; 150% for 6 sec.; 155% for 1 sec.			
ENVIRONMENTAL**				
Cooling	Forced Air			
Operating Temperature	Minimum/Maximum: 32 ° F to 104 ° F (0 ° C to 40 ° C)			
Relative Humidity	30% – 95% Non-Condensing			
Altitude	0 to 3280ft (1000m) max without derating***			
Location	Indoor (free from corrosive gases and dust)			
Clearance Required	Top: 20 in.; Front: 40 in.; Rear : 20 in.; Sides: 0 in.			
Enclosure	NEMA 1			
Audible Noise	72 dB @ 1 m			
DIMENSIONS				
Dimensions (in.) WxDxH	System	23.6 x 41.2 x 58.0 in. (598 x 1064 x1472 mm)		
	Module	16.5 x 22.9 x 5.2 in. (418 x 678 x 129 mm)		
System Weight	503lbs. (228kg)	677lbs. (307kg)	851lbs. (385kg)	1025lbs. (465kg)
Module Weight	39lbs. (17.6 kg)			
Battery Weight	134lbs. (61kg)			
MONITORING				
Communication Interface	Dry Contacts, RS232 Port, RemotEye 5, EPO, USB			
RS232 Port	Included			
Display	HMI LCD Touch Panel for Local Monitoring, Operation, and Control			
CERTIFICATIONS				
Listings/Standards	UL; cUL; FCC Class A-Article 47 – Part 15 B; ISO 9001; ISO14001; IEC/EN62040-1			
EFFICIENCY				
AC - AC	>89% @25% load, >89% @50% load, >91% @75% load, >91% @100% load,			

*Derating capacity to < 90% of capacity when the input voltage is decreased below rated.

**Indication that the unit is intended for installation in a temperature-regulated, indoor area that is relatively free of conductive contaminants.

***At 3280ft (1000m) above sea level, output capacity should be derated by 1% per additional hundred feet elevation

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

3000 SP SERIES UPS

www.toshibaups.com