

TOSHIBA

Leading Innovation >>>



- 30 & 50 KVA
- Line-Up-&-Match Ancillary Equipment: Transformer & Battery/MBS Cabinets
- Zero Rear Clearance Required
- Enhanced Remote Monitoring
- New Local Touch-Screen Interface
- State-of-the-Art Electronic Battery Isolation
- Wide Input Voltage/Frequency Window
- Improved Efficiency Across Entire Load Range
- Small Footprint & Light-Weight Design to Maximize Free Space
- Complete Front Access Design with Top, Front, & Side Entry
- Three-Year Warranty for Lower Cost of Ownership
- 0.9 Output Power Factor

4300 SERIES

UNINTERRUPTIBLE POWER SYSTEMS

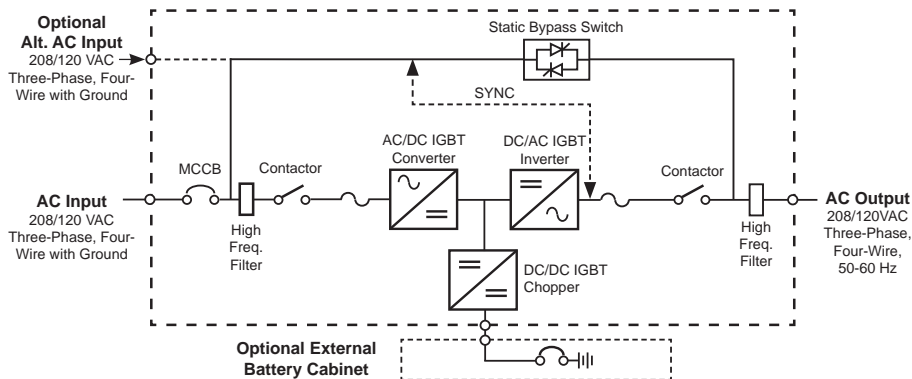


4300 SERIES



MODEL	Model Number	4310F3F300XAXX	4310F3F500XAXX
	Capacity	30 KVA/27 KW	50 KVA/ 45 KW
	Topology	True On-Line, Double Conversion, & All IGBT Technology	
INPUT	Voltage	208/120 V: Three-Phase, Four-Wire + Ground/Bypass Input; 208/120 V: Three-Phase, Four-Wire + Ground	
	Voltage Range	208 V, -20% to +15% (166 to 239 V Without Using Battery)	
	Power Factor	> 0.99	
	Current THD	< 3% at 100% Load	
	Frequency	50 ±5 Hz; 60 ±5 Hz	
OUTPUT	Voltage	208/120 V: Three-Phase, Four-Wire + Ground	
	Frequency	50/60 Hz, ±0.1% (Can be Used as Frequency Converter)	
	Voltage Regulation	±1.0% (0.5% Typical)	
	Power Factor	0.9 Lagging	
	Overload	Inverter: 125% for 90 Seconds, 150% for 30 Seconds Bypass: 125% for 10 Minutes, 1000% for 10 Milliseconds	
BATTERY	DC Link	288 VDC	
	Ripple Voltage	< 0.5% DC	
ENVIRONMENT	Temperature Range	32° to 104°F (0° to 40°C)	
	Relative Humidity	5% to 95% Non-Condensing	
	Heat Rejection	8153 BTUs/Hour	15,019 BTUs/Hour
	Full-Load Efficiency	91.9%	91.1%
	25% Load Efficiency	88.0%	88.8%
	Altitude	6600 ft. (2000 m) Maximum Without Derating	
	Audible Noise	< 65 dBA at 1m Air Filtration; Standard Front Air Filter	
DIMENSIONS	Dimensions	22.1 x 31.6 x 73.6 in. (73.7 in. (H) with Fan Cage)	
	Weight	788 lbs.	867 lbs.
COLOR	O'Brien Black (Textured Powder Coat)		
COMMUNICATION OPTIONS	RemotEye® III & Ethernet/SNMP		
OPTIONS	Dual-Input Feed		
STANDARDS	UL 1778, ULC, CE, FCC Class A, ISO9001, ISO14001, ANSI C62.41 (IEEE 587), & NEMA PE 1-1993		
WARRANTY	Three-Years On-Site Warranty; Five-Years Available; See Toshiba Warranty Policy for Full Details		
SERVICE	24-Hour, 365-Day Technical Support: 1-877-867-8773		
	Specifications subject to change without notice.		

4300 Series UPS



4300 UPS Dimensions



TOSHIBA INDUSTRIAL PRODUCTS:

- Uninterruptible Power Systems
- Adjustable Speed Drives
- Motors
- Motor Controls
- Instrumentation & PLCs

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- 30 & 50 KVA
- Line-Up-&-Match with Toshiba's 4300 UPS
- Zero Rear Clearance Required
- Hot-Swappable Battery Packs for Tool-Free Battery Replacement
- Battery Packs are Flame-Resistant & Provide Acid Containment
- Small Footprint to Maximize Footprint
- Two Independently Breakered Battery Strings for Maximum Reliability
- Factory-Supplied Interconnects for Ease of Installation
- Connect Two Cabinets for Extended Back-Up Time

4300 SERIES BATTERY CABINET

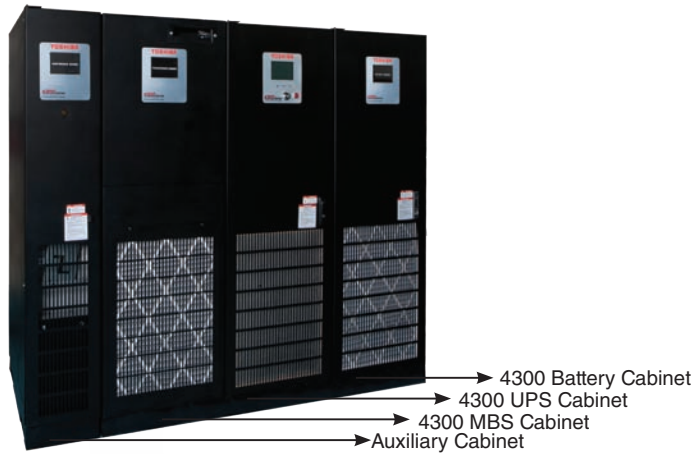
UNINTERRUPTIBLE POWER SYSTEMS



4300 BATTERY CABINET



LINE-UP-&-MATCH 4300 SERIES

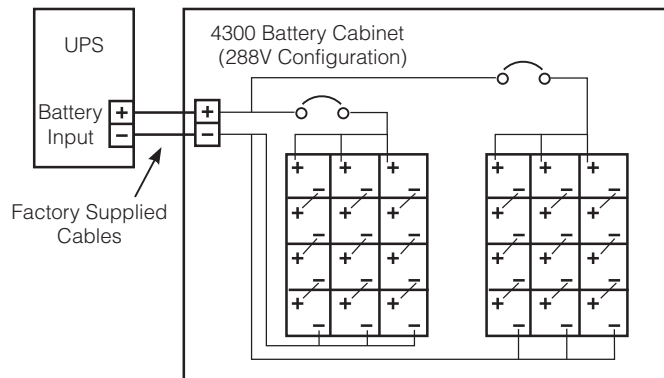


BATTERY PACK CONNECTOR



PART NUMBER	431BXXXXXXR1XX
ESTIMATED RUNTIMES	30 KVA @ 0.8 PF: 17 Minutes 50 KVA @ 0.8 PF: 8 Minutes
DC VOLTAGE LINK	288 VDC
CHARGING CURRENT	6A
BATTERY ARRANGEMENT	Two Groups of Three Strings (Four Packs/String)
BREAKERS	One 110 A Breaker (Square-D) per Group
DIMENSIONS	22.1 x 31.6 x 73.6 in.
WEIGHT	1300 lbs.
COLOR	O'Brien Black (Textured Powder Coat)

BATTERY CABINET/UPS POWER CONNECTION



BATTERY CABINET INTERIOR



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- Motors
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- 30 & 50 KVA
- Line-Up-&-Match with Toshiba's 4300 UPS
- Zero Rear Clearance Required
- Smaller Footprint to Maximize Floor Space
- Front, Top, Bottom, & Side Cable Access
- Customizable Voltage & Distribution Configurations
- Factory-Supplied Interconnect Cables
- High Efficiency Transformers to Minimize Conversion Loss (> K13)

4300 SERIES AUXILIARY CABINET UNINTERRUPTIBLE POWER SYSTEMS



4300 AUXILIARY CABINET



LINE-UP-&-MATCH 4300 SERIES

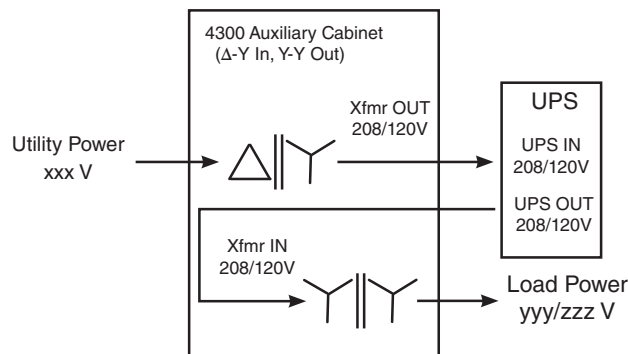


ADDITIONAL OPTIONS

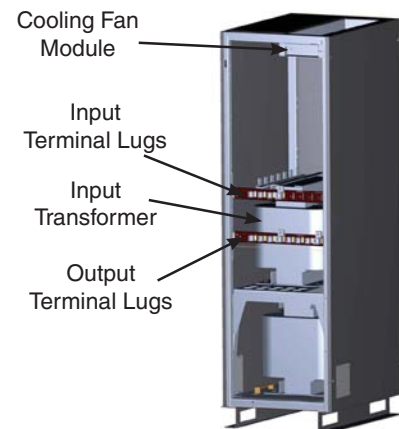
- Up to Two Transformers per Auxiliary Cabinet
- Distribution Panel with Up to Two Transformers
- Distribution Panel with MBS

PART NUMBER	431AXXXX3X
TRANSFORMER RATING	300: 30 KVA 500: 50 KVA
TRANSFORMER VOLTAGE	Δ -Y Input: 200, 208, 220, 230, 240, 380/400/415, 480, & 600V Y-Y Output: 220/127, 240/138, 380/220, 400/230, 415/240, 480/277, & 600/347V
ENVIRONMENTAL	Standard Sized Air Filters
DIMENSIONS	22 x 31.5 x 73.26 in.
WEIGHT	900 lbs. Maximum (Varies per Configuration)
COLOR	O'Brien Black (Textured Powder Coat)
FEATURES	Complies with Buy America Act (BAA) & American Recovery & Reinvestment Act (ARRA); Modular Fan Assembly for Ease of Service; Built in Houston, Texas

AUXILIARY CABINET-UPS POWER CONNECTION



AUXILIARY CABINET INTERIOR



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- Uninterruptible Power Systems
- Adjustable Speed Drives
- Motors
- Motor Controls
- Instrumentation & PLCs

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