

Fuji Electric UPS7300WX-T3U (225/300/330kVA) 480 V Uninterruptible Power System (UPS)

Fuji Electric's new UPS7300WX-T3U is an innovative transformer-less UPS designed for data centers and commercial applications, utilizing our patented RB-IGBT Technology and AT-NPC 3-Level Circuit Topology to deliver up to 97.5% efficiency and unparalleled reliability.

- State-of-the-art design utilizing Fuji Electric's RB-IGBT Technology and AT-NPC 3-Level Circuit Topology delivers up to 97.5% efficiency for lower operational cost
- Hybrid silicon carbide (SiC) IGBTs for optimum efficiency and power handling capability
- DC-DC Converter for battery longevity
- Selectable High Efficiency (HE) Mode* available, for the highest possible efficiency when conditioned power is not required
- Parallel up to eight units
- Three-Year Warranty for lower cost of ownership

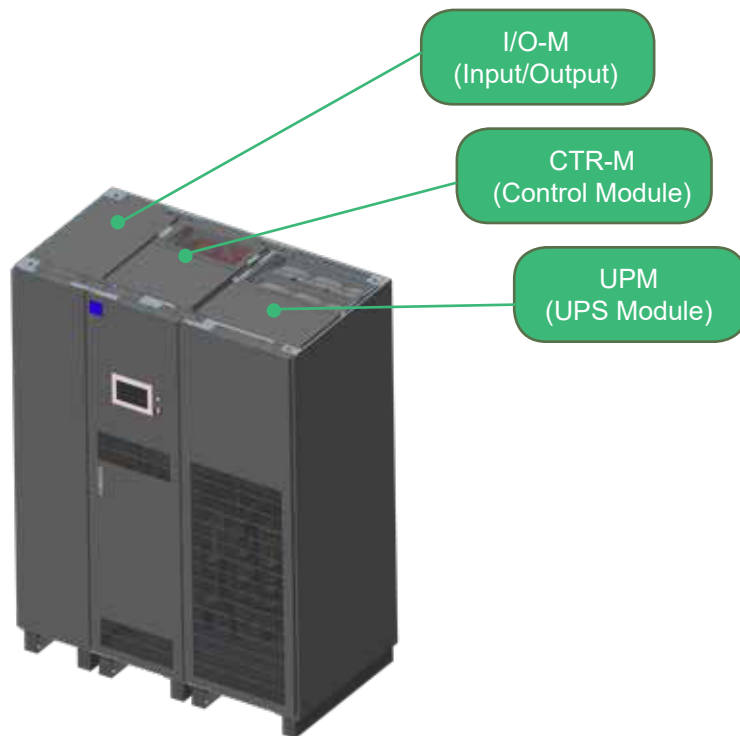
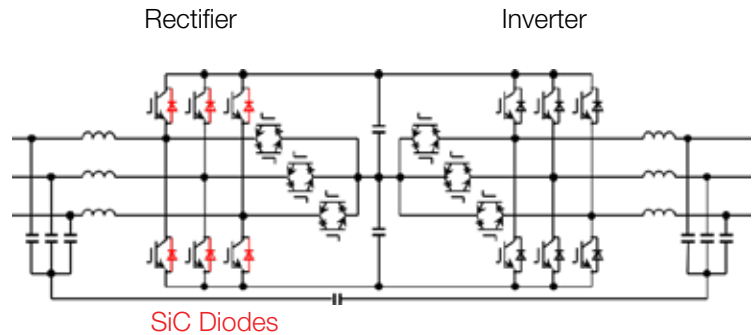


*Not available for parallel application.

Unparalleled Innovation.

Engineering prowess meets forward thinking.

- Fuji Electric's exclusive AT-NPC Topology using RB-IGBT Technology in both Rectifier and Inverter
- Silicon Carbide (SiC) Diodes in Rectifier IGBTs handle the added stress that those components endure for superior reliability



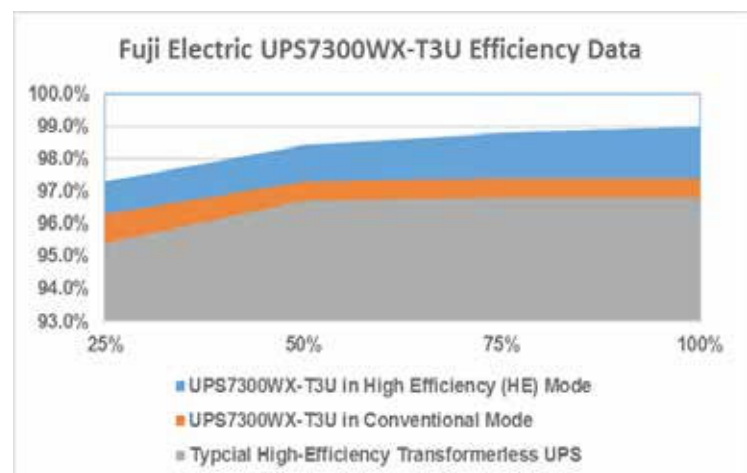
Designed to Perform.

- Efficiency greater than 96% at loads as low as 25%
- Handles up to .7 leading power factor loads without derating
- Selectable High Efficiency (HE) Mode* increases efficiency to as high as 99% under normal conditions
- Outstanding voltage and frequency regulation (Voltage +/-1%; Frequency +/-0.01%)
- 100% unbalanced load capability
- Voltage regulation for 100% load steps <3%, without utilizing batteries
- Overload capacity 150% for 1 minute, 125% for 10 minutes

*Not available for parallel application.

Built to Last.


- Redundant fans standard
- Fully maintainable and repairable with only front access required
- Comprehensive manageability via large color touch screen and at-a-glance status LEDs
- Three-Year warranty covers parts and labor



UPS7300WX-T3U Specifications

| CAPACITY (one UPS module) | 225 kVA | 300 kVA | 330 kVA (max load) |
|-----------------------------------|---|---------|--------------------|
| Topology | Double Conversion with SiC-Hybrid IGBT and RB-IGBT Technology | | |
| AC INPUT | | | |
| Voltage / Phases | 480 VAC / 3-phase, 3-wire (Y) + Ground | | |
| Voltage Range | -30% to +10% | | |
| Frequency / Range | 60 Hz / ±10% | | |
| Power Factor | > .99 | | |
| Current THD | < 5% | < 5% | < 3% |
| Current (Nominal) | 279 A | 372 A | 410 A |
| Current (Maximum) | 307 A | 399 A | 439 A |
| BYPASS | | | |
| Voltage / Phases | 480 VAC / 3-phase, 3-wire (Y) + Ground | | |
| Frequency / Range | 60 Hz / ±1%-5%, selectable | | |
| BATTERY | | | |
| Voltage (Rated / Nominal) | 480 VDC / 545 VDC (240 cells, 2.27 V per cell) | | |
| Max Charging Current | 88 A | | |
| AC OUTPUT | | | |
| Voltage / Phases | 480 VAC, 3-phase, 3-wire (Y) + Ground | | |
| Voltage Regulation | < ±1% | | |
| Frequency / Regulation | 60 Hz / < ±.01% (in free-running mode) | | |
| Power Factor (Rated) | 1.0 | | |
| Power Factor Range | .7 leading to .7 lagging without derating | | |
| Voltage THD | < 2% (linear load); < 5% (non-linear load) | | |
| Transient Voltage Regulation | < 3% (at 100% load step) | | |
| Overload Capacity | 125% for 10 minutes; 150% for 1 minute | | |
| Current (Nominal) | 271 A | 361 A | 397 A |
| ENVIRONMENTAL | | | |
| Audible Noise | ≤ 75 dBA (1m in front of cabinet) | | |
| Operating Temperature | 32 to 104 °F (0 to 40 °C) | | |
| Storage Temperature | -13 to 131 °F (-25 to 55 °C) | | |
| Relative Humidity | 5 to 95% (Non-condensing) | | |
| Altitude | ≤ 6560 ft (2000 m) | | |
| EFFICIENCY | | | |
| 100% Load in High Efficiency Mode | 98.8% | 98.9% | 99.0% |
| EnergyStar Avg (Online Mode) | 96.6% | 96.9% | 97.1% |
| 100% Load | 97.4% | 97.3% | 97.3% |
| 75% Load | 97.3% | 97.4% | 97.4% |
| 50% Load | 96.9% | 97.2% | 97.3% |
| 25% Load | 95.3% | 96.1% | 96.3% |
| DIMENSIONS | | | |
| Width | 59.1 in (1500 mm) | | |
| Depth | 32.7 in (830 mm) | | |
| Height | 79.5 in (2020 mm) | | |
| Weight | 2425 lbs (1100 kg) | | |
| Ingress Rating | NEMA 1 (IP20) | | |
| STANDARDS | | | |
| Safety | UL 1778 5th Edition; CSA 22.2 No.107.3-14 3rd Edition | | |
| EMC | IEC 62040-2, Category C3 | | |
| Environmental | EnergyStar (certified as Ver.1.1, 2017) | | |
| Seismic | OSHDP Certified | | |

Engineered Like No Other



Our breakthrough innovations with power electronics technologies have led to the development of our large capacity UPS system, which provides unparalleled efficiency and superior reliability. With over 40 years of UPS development and manufacturing experience, Fuji Electric's UPS7300WX is the UPS equipped with our own patented components for optimal performance when it counts the most.

Trusted Globally

For over 90 years, Fuji Electric has been manufacturing products for mission critical applications including data centers, power plants and hospitals. Customers around the world rely on Fuji Electric, for products ranging from the smallest IGBT to large power generation systems. We have maintained an unwavering commitment to engineering and R&D, refusing to compromise on quality and reliability. This goes hand in hand with our company's dedication to the environment, influencing our innovative products that seek to conserve, manage and produce energy.

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