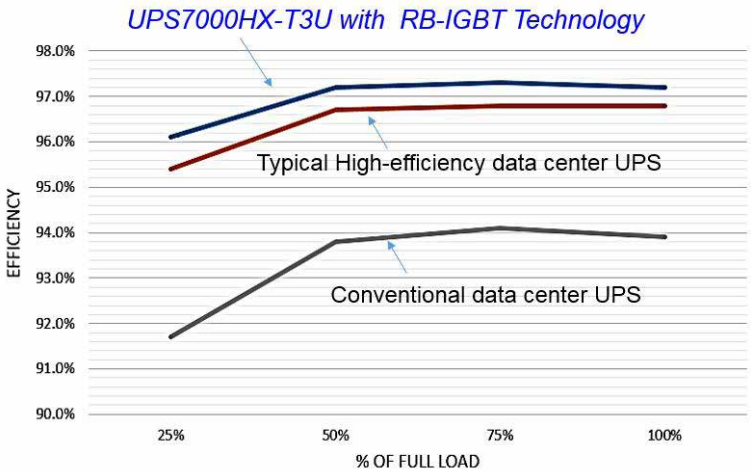
Fuji Electric

Innovating Energy Technology

The UPS7000HX-T3U is a transformer-less, true on-line, double-conversion UPS, designed to be the most reliable, efficient, and flexible protection for your critical loads.

- AT-NPC 3-Level Circuit Topology utilizing RB-IGBT Technology delivers up to 97.5% efficiency for lower operational cost
- Handles leading power factor loads (without derating)
- DC-DC Converter for battery longevity
- Parallel up to eight units
- Open architecture for convenient service and maintenance
- EnergyStar and OSHPD certified
- Three-Year Warranty for lower cost of ownership



Utility and Generator Compatible.

- Input power factor > 0.99
- Input Current THD < 5%
- Wide input voltage range of +10%, -25% for longer battery life
- Power Walk-in feature, to avoid step-loading generators
- Generator Mode, for limiting load on generators

Optimized for the most sensitive and demanding loads.

- Industry-leading efficiency without the use of bypass or “eco” modes
- Efficiency of >95% at 20% load
- 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

Fuji Electric Corp. of America
50 Northfield Avenue
Edison, NJ 08837
T 732-560-9410
F 732-457-0042
www.americas.fujielectric.com

ENERGY STAR

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UPS7000HX-T3U Specifications

CAPACITY	300 kVA	400 kVA	500 kVA
Topology	Online Double Conversion with RB-IGBT Technology		
AC INPUT			
Voltage / Phases	480VAC / 3-phase, 3-wire (Y) + Ground		
Voltage Range	–25% to +10%		
Frequency / Range	60 Hz / ±10%		
Power Factor	> .99 at full load		
Current THD	< 7%	< 5.5%	< 5%
Current (Nominal)	372A	496A	620A
Current (Maximum)	409A	546A	682A
BYPASS			
Voltage / Phases	480VAC / 3-phase, 3-wire (Y) + Ground		
Frequency / Range	60Hz / ±1%to ±5%, selectable		
BATTERY			
Voltage (Nominal / Rated)	480VDC / 545 VDC (240 cells, 2.27 V per cell)		
Charging Current	30A minimum; 130A maximum		
AC OUTPUT			
Voltage / Phases	480VAC, 3-phase, 3-wire (Y) + Ground		
Voltage Regulation	< ±1%		
Frequency / Regulation	60Hz / < ±.01% (in free-running mode)		
Power Factor (Rated)	1.0		
Power Factor Range	.95 leading to .8 lagging without derating		
Voltage THD	< 2% (linear load); < 5% (non-linear load)		
Transient Voltage Regulation	< 3% (at 100% load)		
Overload Capacity	125% for 10 minutes; 150% for 1 minute		
Current (Nominal)	361A	481A	601A
ENVIRONMENTAL			
Audible Noise	≤ 75 dBA (1m in front of cabinet)		
Operating Temperature	32 to 104 ºF (0 to 40ºC)		
Storage Temperature	5 to 131 ºF (-15 to 55ºC)		
Relative Humidity	5 to 95%		
Altitude	≤ 6560 ft (2000 m)		
EFFICIENCY*			
Maximum Observed	97.4%	97.5%	97.5%
100%	97.3%	97.3%	97.2%
75%	97.0%	97.3%	97.3%
50%	96.5%	97.0%	97.2%
25%	94.4%	95.4%	96.1%
DIMENSIONS			
Width	78.7 in (2000mm)		90.6 in (2300mm)
Depth	35.4 in (900mm)		
Height	78.7 in (2000mm)		
Weight	4080 lbs (1850 kg)		4190 lbs (1900 kg)
Ingress Rating	NEMA 1 (IP20)		
STANDARDS			
Safety	UL 1778 5th Edition; CSA 22.2 107.3-14 3rd Edition		
EMC	IEC 62040-2, Category C3		
Environmental	EnergyStar		

* Efficiencies measured during EnergyStar testing. Learn more at https://www.energystar.gov/productfinder/product/certified-uninterruptible-power-supplies/details/2245441