

Reliable and Efficient power for your Critical Applications

Falcon X7

UPS 160 to 800kVA

Scalable upto 6.4 MVA

The demand for dependable Three Phase UPS solutions, such as Falcon X7, is increasing as manufacturing, material handling, and other sectors seek enhanced reliability and efficiency. Falcon X7 addresses this market need by offering a practical and efficient power solution. Businesses are increasingly recognizing the value of reducing downtime and improving performance, making Falcon X7 a sought-after choice to meet growing market demand.

Falcon X7 is a robust solution designed to enhance manufacturing and material handling operations, prioritizing reliability and efficiency. It empowers businesses to overcome challenges and achieve higher performance levels. With compatibility for various battery technologies and the ability to handle voltage fluctuations seamlessly, Falcon X7 proves its reliability across industries such as manufacturing, material handling, pharmaceuticals, packaging, textiles, and automotive.



Key USP's



Advance 3-Level T shape Inverter for efficient and reliable design.



Most compact footprint in its class with the multiple power configurations.



Efficient and sustainable design delivers up-to 96.5% efficiency for optimized TCO.



Flexible input and output performance for desired operation and performance.



Scalable up-to 6.4MVA with multiple possible design configurations.

Applications

Falcon X7, with its adaptability and advanced features, serves as a robust choice across the industries listed below, empowering businesses to achieve unparalleled efficiency and reliability.

Manufacturing | Material Handling | Pharmaceuticals | Packaging | Textile | Automotive

Key Features

3rd Level Inverter: Cutting-edge technology for superior performance.

Efficiency Ramp Up: Regulation based on load, active redundancy planning, and rapid module wake-up.

Unthinkable Scalability: Wide solution basket, pay-as-you-grow options, and seamless integration.

Electrical Discrimination: No discrimination in power distribution, better-defined short-circuit handling.

Ease of Management: Built-in LCD HMI, multiple monitoring options, and complete status insights.

Our Awards & Recognition



Frost & Sullivan
Best Practices 2022



SD Awards 2022 & 2023
No. 1 Online UPS Manufacturing
Company in India



Fuji Electric Awarded
Prestigious India Design Mark

Global Standards



Noise
ISO 3746



Quality
ISO 9001:2008



EMC/EMI
IEC 62040-2 Category C3



IP
IEC 60529



EMS
ISO 14001:2004



OHSAS
OHSAS 18001:2007



Performance
IEC 62040-3



Safety
IEC 62040-1

Technical Specification

Falcon X7

160 to 800kVA

Rated power (kVA)	160	200	250	300	400	500	600	800
Input Charateristics								
Rated Voltage	380-400-415 Vac 3-Ph + N + E							
Rated Voltage Tolerance	±20% @ 400 Vac							
Input PF	>0.99 on >25% load onwards							
Rated Frequency	50-60 Hz ±10%							
Phase Sequence Correction	Yes By Default							
Current Harmonic Distortion (THDi)**	<3%							
Rectifier Type	IGBT Base Front End Active Rectifier							
Bypass Parameters								
Rated Voltage	380-400-415 Vac 3-Ph + N + E							
Rated Frequency	50-60 Hz							
Connection	Standard Dual Feed							
Bypass Overload	125% Continuous							
Output Parameters								
Rated Voltage	380-400-415 Vac 3-Ph + N + E							
Inverter Type	Advance T-Type NPC 3-Level IGBT Base Inverter High Efficiency Transformer Less							
Rated Frequency	50-60 Hz							
Output Power Factor	Unity or 0.9 PF							
Voltage Variation - Static Load	±1%							
Crest Factor	3:1							
Voltage Distortion (THDv)	< 2% @ Linear Load <3% @ Non Linear Load							
Output Frequence Stability	±2% (Settable from ±1% to ±6%)							
Output Phase Angle	120 ± 1deg.							
Overload Capacity	110% for 1 Hour 125% for 10 Mins 150% for 1 Min							
Load Power Factor	0.5 Lag to 0.7 Lead without derating							
Efficiency	Upto 96.5%							
Bypass Parameters								
Number of Battery (12V) Blocks	40 Nos (Selectable from 38 to 48 Batteries)							
Nominal Battery Voltage	480Vdc (Selectable from 456-576Vdc)							
Compatibility	SMF, Tubular, Ni-Cd, Li-Ion Battery							
Environmental Parameters								
Operating Temperature	0 to 40°C (at Rated Input and Load)							
Ingress Protection	IP20							
Range of Relative Humidity	upto 95% max (without Condensing)							
Maximum Operating Altitude	Up to 1000 Meter without derating							
Storage Temperature	0°C up to 60°C							
Acoustic Noise at 1m from Panel Front (Ref ISO3746)	< 68 dBA							
Communication and management								
Display	128x64 LCD Graphic Display with LED Mimic (Optional Touch Screen Display)							
Communication Interface (Options)	Simple Network Management Protocol (SNMP), MODBUS-RTU , Dry Contacts							
Regulatory								
Safety	IEC62040 - 1							
EMC/EMI/RFI	IEC62040 - 2							
Performance	IEC62040 - 3							

**THDv @<1%

Specification are subject to change without notice

Global Accreditation
and Certification



Fuji Electric India Pvt. Ltd.

(CIN:U31900TN1985PTCO11866)

119, 120, 120A, Electrical and Electronics Industrial Estate,
Perungudi, Chennai - 600 096, Tamil Nadu, India

☎ +91 78100 09955

✉ enquiry.fei@fujielectric.com | info-fei@fujielectric.com

🌐 www.india.fujielectric.com



Website



Service Support