

Uninterrupted and Reliable Power for IT & ITES

Falcon X5

60-300 kVA Scalable upto 2.4 MVA

The Falcon X5 Series, with a power range of 60-300 kVA and a 3x3 configuration, is the robust three-phase UPS solution for dependable power in industrial settings. It offers cost-effective and efficient power protection with features like adaptive walk-ins, rectifier delay start, and compatibility with various industrial loads.

With over a century of design expertise in the power and semiconductor field, Fuji Electric has crafted the Falcon X Series to address industry challenges effectively. It boasts a versatile configuration and an eco-friendly design, ensuring maximum efficiency, low Total Cost of Ownership (TCO), and system reliability. Choose the Falcon X Series for sustainable and efficient industrial operations.



Key USP's

-  Advance 3 level Inverter delivers unmatched efficiency with full rated power.
-  Compact footprint with Multiple power configurations.
-  Certified >95% online efficiency for optimized TCO and peace of mind.
-  Designed to meet the highest standards and performance.
-  Accepts 3-phase 3-wire input with configurable power walk-in.

Key Features

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

Robust Design: High short-circuit handling and compatibility with Lithium-ion batteries.

Redundancy: No single point of failure, ensuring uninterrupted power.

Efficient & Reliable: Certified >95% online efficiency for peace of mind.

Wide Input Compatibility: Accepts 3-phase 3-wire input with configurable power walk-in.

Applications

Tailored for mission-critical operations in various industries, the Falcon X5 Series adapts seamlessly to diverse critical operations, offering dependable power protection and performance. Ideal for critical operations in:

Engineering | Automotive | Electronics | Process | Food & Beverage | Textile | Infrastructure | Data Centers

Our Awards & Recognition



Frost & Sullivan
Best Practices 2022

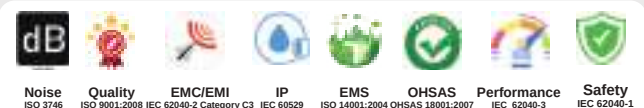


SD Awards 2022 & 2023
No. 1 Online UPS Manufacturing
Company in India



Fuji Electric Awarded
Prestigious India Design Mark

Global Standards



Technical Specification

Falcon X5

60-300 kVA Scalable upto 2.4 MVA (3x3)

Rated power (kVA)	60	80	100	120	160	200	250	300
Rated power (kW)	54	72	90	108	144	180	225	270
Input Parameters								
Rated Voltage	400/415 V _{ac} , (380 V _{ac} Optional), (3Ø+PE)							
Rated Voltage Tolerance*	+20%, -40%* @ 400V							
Rated Frequency	50/60 Hz ±10%							
Current Harmonic Distortion (THDi)**	<3% at 100% Load							
Bypass Parameters								
Rated Voltage	400/415 V ±10% (5-15% Selectable) 3-Phase + N + PE (380V Optional)							
Rated Frequency	50/60 Hz							
Connection	Separate From Mains Input							
Output Parameters								
Rated Voltage	400 V, 3-Phase + N + PE (380/415 V Selectable)							
Rated Frequency	50 or 60 Hz (Configurable)							
Output Power Factor	0.9 PF							
Voltage Variation - Static Load	±1%							
Crest Factor	3:1							
Voltage Distortion at Linear Load	≤ 2% (Typical)							
Voltage Distortion at Non-Linear Load	≤ 3% (as per IEC62040-3)							
Frequency Stability with Inverter Synchronized to the By-Pass Mains	±2% (Configurable from ±1% to ±6%)							
Voltage Phase Shift with Balanced and Unbalanced Load	120 ± 1deg.							
Overload Capacity	110% for 60 Mins, 125% for 10 Mins, 150% for 1 Min							
Load Power Factor	0.7 Leading to 0.5 Lagging without De-rating							
Efficiency	Up to 99% in Eco Mode and Upto 95% in Online Mode							
Isolation Transformer	Inbuilt							
Battery Parameters								
Number of Battery (12V) Blocks	40 Nos (Configurable from 38 to 48 Batteries)							
Nominal Battery Voltage	480Vdc (Configurable from 456-576Vdc)							
Compatibility	Compatible with SMF, Tubular, Ni-Cd, Li-Ion Battery							
Environmental								
Ambient Temperature for the UPS	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 above MSL							
Storage Temperature	From 0°C up to 60°C (UPS), 0 to +40°C (for battery)							
Acoustic Noise at 1m from Panel Front (Ref ISO3746)	< 68 dBA							
Communication and management								
Display	128x64 LCD Graphic Display with LED Mimic							
Communication Interface (Options)	Simple Network Management Protocol (SNMP), MODBUS-RTU , Dry Contacts							
Dimesion and weights								
UPS (H X W X D) mm	1700 x 800 x 900				1800 x 840 x 900	2090 x 1000 x 1000	2090 x 1200 x 1000	
Weight in Kg(UPS)	800	900	1000	1050	1280	1350	1680	1750
Regulatory								
Safety	IEC62040 - 1							

Global Accreditation
and Certification



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Website



Service Support