

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.

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

Key Features

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

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

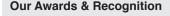
Redundancy: No single point of failure, ensuring

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.









SD Awards 2022 & 2023 No. 1 Online UPS Manufacturing

Fuii Electric Awarded Prestigious India Design Mark















Global Standards





OHSAS 04 OHSAS 18001:20



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				400/41	5 V _{ac} , (380 V _{ac} Option	nal), (3Ø+PE)		
Rated Voltage Tolerance*	+20%, -40%* @ 400V							
Rated Frequency	50/60 Hz ±10%							
Current Harmonic Distortion	20/00 UT TIO/0							
(THDi)**	<3% at 100% Load							
Bypass Parameters								
Rated Voltage	400/415 V ±10% (5-15% Selectable) 3-Phase + N + PE (380V Optional)							
Rated Frequency	400/415 V ±10% (5-15% Selectable) 5-Pilase + N + PE (580V Optional)							
Connection	Separate From Mains Input							
Output Parameters					eparate rrom mano	put		
•				400 V 3-DI	2250 ± N ± DE /380//	IS V Salactable)		
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	±2% (Configurable from ±1% to ±6%)							
Mains					o .	,		
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)							
ngress 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	, co los							
Front (Ref ISO3746) Communication and management	< 68 dBA							
9				120,641	CD Graphic Display w	iith LED Minsis		
Display				128Xb4 L	ש Grapnic Display w	ונוו נבט ואוושונ		
Communication Interface			Simple Net	twork Managen	nent Protocol (SNMP), MODBUD-RTU , Dry (Contacts	
(Options)								
Dimesion and weights								
UPS (H X W X D) mm		1700 x 800			1800 x 840 x 900	2090 x 1000 x 1000		1200 x 1000
Weight in Kg(UPS)	800	900	1000	1050	1280	1350	1680	1750
Regulatory								
Safety				IEC62040 - 1				

and Certification

















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