

EP X-SERIES

3 Phase in / 3 Phase Out

10KVA - 60KVA

APPLICATION

- VFD MACHINE
- DEFENCE EQUIPMENT
- MACHINE TOOLS & ROBOTICS
- LASER CUTTING MACHINE
- PRODUCTION PRINTING MACHINES
- BANK & FINANCE



FEATURES

Microprocessor based intelligent UPS system suitable for IT and Medical Equipment Load with unity power factor and a wide input voltage Window of 140-300 with an overall efficiency reaching 95%.

- True online Double Conversion Topology.
- The peak surge handling capacity of 300% for 3000msc.
- True Inbuilt Isolation Transformer by design@ output.
- Control Designed to withstand all kinds of load.
- Intelligent Battery Management to Prolong Battery Life Cycle.
- High Reliability Digital control.
- Wide Input Voltage Range.
- Inbuilt Manual Bypass Switch.
- Crest Factor 3:1

**INBUILT ISOLATION
TRANSFORMER**



TECHNICAL SPECIFICATION :

MODEL	EPX4010	EPX4020	EPX4030	EPX4040	EPX4060
Capacity (KVA)	10KVA	20KVA	30KVA	40KVA	60KVA
INPUT					
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE)				
Voltage Range	+20%,-20%				
Rated Frequency	50Hz (Auto Sensing)				
Frequency Range	50Hz ± 1 Hz				
Power Factor	>0.96				
Harmonic Distortion (THDi)	≤ 3%				
Technology	Double Conversion true online				
OUTPUT					
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE)				
Voltage Regulation	±1%				
Frequency	50Hz Synchronised with Utility in Mains Mode; 50 Hz ± 0.1 % in Battery mode				
Power Factor	0.9 Standard				
Waveform	Pure Sine-Wave				
Crest Factor	3:1				
Harmonic Distortion (THDv)	□ < 1% (Linear Load), <3% (Non-Linear Load)				
Efficiency	Up to 94 % Dual Conversion Mode, 99% ECO Mode				
Transfer Time	Zero				
Overload Capability	110~125% for 10 Min, 125~150% for 1 Min, >150 for 300 ms				
BATTERY					
Nominal DC Voltage	360/384V DC				
Number of Battery	30 ~ 40 Nos. (Configurable)				
Charging	Three-Stage Charging, Auto Switch Floating / Equalizing Charge				
SYSTEM FEATURES					
IP Rating	IP 20				
Alarms / Protection	Battery Low, DC High, Inverter Under/Over Voltage, Overload, Short Circuit, Fan Failure & UPS Fault				
LED Indications	R Input, Y Input, B Input, Rect. On, Boost. Chg., Rect. Trip., Mains Ok, UPS on Battery, UPS on Mains Over Load Low Battery				
LCD Display	Input, Bypass, Inverter, Output Voltage & Frequency / Current / KVA / KW / PF / Load %, Battery Voltage, DC Bus Voltage, Charging & Discharging Current				
ENVIRONMENTAL					
Temperature	Operating: 0~40°C, Storage: -10°C ~ 55°C				
Humidity / Altitude	0~95% RH Non-condersing / <1500 M				
Noise	Low Audible Noise Level				
STANDARDS					
Quality	ISO 900 , ISO 14001, OHSAS				
Safety	IEC/EN62040-1				
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE				
PHYSICAL					
Dimensions WxDxH (mm)	465x820x890	465x820x890	465x1020x1180	465x1020x1180	
Weight (Kg)	110kg	140kg	180kg	210kg	
COMMUNICATION INTERFACE					
Standard	RS-232 / RS-485				
Optional	SNMP / ModBus / Dry Contact				
By-Pass Switch	automatic & Manual by pass, Switch Optional				

*Specifications are subject to change without prior notice.

