

EP KW SERIES

3 Phase in / 3 Phase Out
120KVA - 400KVA

APPLICATION

- VFD MACHINE
- CT & MRI MACHINE
- TETRA PACK MACHINE
- LASER CUTTING MACHINE
- PRODUCTION PRINTING MACHINES
- EXTRUSION LINE



FEATURES

A Powerfull UPS System Designed to with stand & negotiate Very adverse input & output transient condition effectively and smoothly. To put if simply this product series is the best in its class.

- 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	EPKW7160	EPKW7200	EPKW7300	EPKW7400
Capacity (KVA)	160KVA	200KVA	300KVA	400KVA
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%			
Topology	IGBT 2 Lable			
Isolation Transformer	Inbuilt ultra isolation transformer by design at output			
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	0.94 Standard			
Waveform	Pure Sine-Wave			
Crest Factor	5:1			
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	480V DC			
Number of Battery	40Nos. (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, & 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-condensing / <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)	1628x600x1248	1628x820x1880	1628x600x1248	1628x820x1880
Weight (Kg)	650kg	750kg	900kg	1150kg
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.

