

EP IG SERIES

1 Phase in / 1 Phase Out

5 KVA - 20KVA

APPLICATION

- IT INFRASTRUCTURE
- MEDICAL EQUIPMENT
- MACHINE TOOLS & ROBOTICS
- TELECOM
- DATA PROCESSING EQUIPMENT
- 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%.

- It requires minimum battery sizing (lesser no. of Batteries 8Nos- 20Nos).
- The peak surge handling capacity of 300% for 3000msc.
- True Inbuilt Isolation Transformer by design@ output.
- IGBT based Rectifier & charger.
- Control Designed to withstand all kinds of load.
- Intelligent Battery Management to Prolong Battery Life Cycle.
- High Input Power factor >0.99.
- High Reliability Digital control.
- N+1 hot standby option upto 10 units.
- Wide Input Voltage Range.
- Inbuilt Manual Bypass Switch.
- Emergency Power off (EPO) Switch.



**INBUILT ISOLATION
TRANSFORMER**



TECHNICAL SPECIFICATION :

MODEL	EPIG2005			EPIG2010			EPIG2015		EPIG2020	
Capacity	5KVA			10KVA			15KVA		20KVA	
INPUT										
Nominal Voltage	220V/230V/240V AC (1Ph+N+PE, 3 Wire)									
Operating Voltage Range	140V~280V AC Load Dependent									
Operating Frequency Range	50 Hz \pm 1% (Auto Sensing)									
Power Factor	>0.96									
OUTPUT										
Output Voltage/Power Factor	220V / 230V / 240V AC / \pm 1% / 0.8 Std., 0.9 Optional									
Output Frequency	Auto Sensing 50Hz									
Harmonic Distortion (THDv)	<2% (Linear load), <5% (Non Linear Load)									
Crest Factor	3:1									
Efficiency	Up to 94% Dual Conversion Mode, 99% ECO Mode									
BATTERY										
DC Voltage	96V/120V			180/192V			192V		192V	
Charge Current	10% of the Rated Battery AH									
Typical Recharge Time	8 Hours (90% of full capacity)									
SYSTEM FEATURES										
LCD Indication	Input Voltage/Frequency, Output Voltage/Frequency									
LED Indication	Load Level, Battery Level, Line On, Battery On, Inverter On, By Pass, Fault & Reset Button									
Alarms / Protection	Batt. Low, DC High, Inverter Under/Over Voltage, UPS Over Load, Short Circuit, Fan Failure and UPS Fault.									
Overload Capability	\leq 125% for 10 min, > 125-150% for 1 min, > 150% for 200 ms									
Transfer Time	AC to Battery : 0ms, Inverter to Bypass : 4ms (Typical)									
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									
PHYSICAL										
Dimension WxDxH (mm)	12x22.5x21	12x22.5x21						12.5x22.5x25		
Weight (Kg)	5Kg	35kg	38kg	40kg	45kg	50kg	60kg	70kg	75kg	
STANDARDS										
Quality	ISO 9000, ISO 14001, OHSAS									
Safety	IEC/EN62040-1									
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE									
COMMUNICATION INTERFACE										
Standard	RS-232 Optional									
Optional	SNMP / ModBus / Dry Contact / USB / RS-485									
Technology	Online Double conversion AC-DC-AC with high switching frequency VFI Inversion Technology									

*Specifications are subject to change without prior notice.

