

## EP GT SERIES

3 Phase in / 3 Phase Out  
80KVA - 120KVA

### 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	GT6080	GT60100	GT60120
Capacity (KVA)	<b>80KVA</b>	<b>100KVA</b>	<b>120KVA</b>
<b>INPUT</b>			
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE)		
Voltage Range	+20%, -20%		
Rated Frequency	50Hz (Auto Sensing)		
Frequency Range	50Hz $\pm$ 1 Hz		
Power Factor	>0.96		
Harmonic Distortion (THDi)	$\leq$ 3%		
Technology	Double Conversion true online		
<b>OUTPUT</b>			
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE)		
Voltage Regulation	$\pm$ 1%		
Frequency	50Hz Synchronised with Utility in Mains Mode; 50 Hz $\pm$ 0.1 % in Battery mode		
Power Factor	0.94 Standard		
Waveform	Pure Sine-Wave		
Crest Factor	3:1		
Harmonic Distortion (THDv)	$\square$ < 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		
<b>BATTERY</b>			
Nominal DC Voltage	480V DC		
Number of Battery	40Nos. (Configurable)		
Charging	Three-Stage Charging, Auto Switch Floating / Equalizing Charge		
<b>SYSTEM FEATURES</b>			
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		
<b>ENVIRONMENTAL</b>			
Temperature	Operating: 0~ 40°C, Storage: -10°C ~ 55°C		
Humidity / Altitude	0~95% RH Non-condensing / <1500 M		
Noise	Low Audible Noise Level		
<b>STANDARDS</b>			
Quality	ISO 900 , ISO 14001, OHSAS		
Safety	IEC/EN62040-1		
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE		
<b>PHYSICAL</b>			
Dimensions WxDxH (mm)	500x1200x1200	500x1200x1200	500x1200x1200
Weight (Kg)	360kg	450kg	470kg
<b>COMMUNICATION INTERFACE</b>			
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.

