

# GTX Series

120 ~ 500kVA  
3:3 Phase

## Applications:

For all kind of ADP Machines



GTX Series UPS 120~500kVA use double conversion technology with a very advanced design criteria improves the performance and built-in output isolation transformer protects critical load.

## Features:

- ♦ True Online double-conversion with DSP control
- ♦ IGBT based PWM Rectifier and Inverter
- ♦ High input power factor (>0.99)
- ♦ Generator compatible ; Built-in Static Bypass & Manual Bypass
- ♦ Inbuilt galvanic isolation transformer
- ♦ Independent control on three inverter phases
- ♦ High instantaneous overload capacity
- ♦ High MTBF (> 200,000Hrs) and Low MTTR
- ♦ Intelligent self-diagnosing function, all kinds of failure protection, large capability of history records storage
- ♦ Standard emergency power off (EPO)
- ♦ N+X redundancy parallel up to 6 units (Optional)



7" LCD Display



MODEL	GTX33120L50	GTX33160L50	GTX33200L50	GTX33250L50	GTX33300L50	GTX33500L50
Capacity (kVA)	120	160	200	250	300	500
<b>INPUT</b>						
Rated Voltage	380V / 400V /415V AC (3Ph+N+PE)					
Voltage Range	304 ~ 346 V (Derating 10%), 346 ~ 456 V (full load)					
Rated Frequency	50 / 60 Hz (Auto Sensing)					
Frequency Range	50 /60 Hz ± 5 Hz					
Power Factor	> 0.99					
Harmonic Distortion (THDi)	≤ 3%					
Bypass Voltage Range	± 20% (Configurable)					
Power Walk-in	10 sec (1 ~ 300 settable)					
<b>OUTPUT</b>						
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE)					
Voltage Regulation	±1%					
Frequency	50 / 60 Hz ± 0.1% in Battery mode					
Power Factor	0.9	0.8				0.9
Waveform	Pure Sine-Wave					
Crest Factor	3:1					
Harmonic Distortion (THDv)	≤ 1%					
Efficiency	≥ 94.0% Dual Conversion Mode, 99.0% ECO Mode					
Transfer Time&Recovery Time	Zero ; Within 20ms					
Overload Capability	≤110% for 60 Min, ≤125% for 10 Min, ≤150% for 1 Min and ≥ 150% for 300 ms					
<b>BATTERY</b>						
Nominal DC Voltage	600V DC( Standard ) ; Other Configuration as 576V DC & 624V DC					
Number of Battery	48 ~ 52 Nos. (Configurable)					
Charging	Three-Stage Charging, Auto Switch Floating / Equalizing Charge					
<b>SYSTEM FEATURES</b>						
IP Rating	IP20					
Alarms / Protection	Input Under/Over Voltage, Battery Low, Output Under/Over Voltage, Overload, Short Circuit, Overcharge/discharge & UPS Fault					
LED Indications	Status for Normal, UPS Fault, Bypass & Battery Mode					
LCD Display	Input, Bypass, Inverter, Output Voltage & Frequency / Current / kVA / kW / PF / Load %, Battery Voltage, DC Bus Voltage, Charging & Discharging Current, Temperature and Events					
<b>ENVIRONMENTAL</b>						
Temperature	Operating: 0~50°C*, Storage: -15°C ~ 60°C					
Humidity / Altitude	0~95% RH Non-condensing / <1500 M					
Noise	<75dB @1 meter distance					
<b>STANDARDS</b>						
Quality	ISO 9001, ISO 14001, ISO 27001, ISO 45001, ISO 50001, RoHS					
Safety	IEC/EN62040-1					
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE					
<b>PHYSICAL</b>						
Dimensions WxDxH (mm)	800 x 800 x 1800	765 x 845 x 1700	1210 x 860 x 1950			2380 x 860 x 1950
Pkd. Dimensions WxDxH (mm)	900 x 900 x 2050	850 x 950 x 2000	1300 x 1000 x 2200			2600 x 1000 x 2200
Net Weight (Kg)	680	745	1135	1275	1355	2300
Gross Weight (Kg)	730	795	1200	1340	1420	2365
<b>COMMUNICATION INTERFACE</b>						
Standard	RS-232 / RS-485					
Optional	SNMP / ModBus / Dry Contact					
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000					

\* Conditions apply  
Specifications are subject to change without prior notice.

## Best Power Equipments India Pvt. Ltd.

Corporate Office: G-240, Sector-63, Distt. Gautam Buddh Nagar, Noida-201307 UP  
Registered Office: 812A, Shakuntala Building, 59, Nehru Place, New Delhi-110019  
PH: +91 120 4637000-0029 | Mobile: +91 9311995859 | Email: crm@bpee.co.in  
support@bpeeindia.com | Toll Free: 1800 103 1247 | Website: www.bpee.com

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