

Online UPS 3Phase Out



GTX Series

160KVA~600KVA
3:3 Phase PF: 0.9



GTX Series UPS 160~600KVA 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 Rectifier and Inverter
- High input power factor (> 0.99)
- Output power factor 0.9
- Low input distortion: THD $< 3\%$
- Generator compatible
- Inbuilt galvanic isolation transformer
- Independent control on three inverter phases
- High instantaneous overload capacity
- High MTBF ($> 200,000h$) 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)

LCD Display



5.7" LCD Display



▶ Technical Specifications of GTX Series 160~600KVA

MODEL	GTX33160L50	GTX33200L50	GTX33250L50	GTX33300L50	GTX33400L50	GTX33500L50	GTX33600L50
Capacity (KVA)	160	200	250	300	400	500	600
INPUT							
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE)						
Voltage Range	+ 20%, - 25%						
Rated Frequency	50 / 60 Hz (Auto Sensing)						
Frequency Range	50 / 60 Hz \pm 5 Hz						
Power Factor	0.99						
Harmonic Distortion (THDi)	3%						
Bypass Voltage Range	\pm 20% (Configurable)						
ECO Voltage Range	\pm 10% (Configurable)						
OUTPUT							
Rated Voltage	380V / 400V / 415V AC (3Ph+N+PE)						
Voltage Regulation	\pm 1%						
Frequency	50 / 60 Hz Synchronised with Utility in Mains Mode; 50 / 60 Hz \pm 0.1 % in Battery mode						
Power Factor	0.9 Standard						
Waveform	Pure Sine-Wave						
Crest Factor	3:1						
Harmonic Distortion (THDv)	< 1% (Linear Load), <5% (Non-Linear Load)						
Efficiency	Up to 95.5% 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	600V DC						
Number of Battery	48 ~ 52 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	Status for Normal & Fault, Bypass, Rectifier, Inverter, Output and Battery						
LCD Display	Input, Bypass, Inverter, Output Voltage & Frequency / Current / KVA / KW / PF / Load %, Battery Voltage, DC Bus Voltage, Charging & Discharging Current, Temperature and Events Log.						
ENVIRONMENTAL							
Temperature	Operating: 0~45°C, Storage: -10°C ~ 55°C						
Humidity / Altitude	0~95% RH Non-condensing / <1500 M						
Noise	Low Audible Noise Level						
STANDARDS							
Quality	ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, RoHS						
Safety	IEC/EN62040-1						
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE						
PHYSICAL							
Dimensions WxDxH (mm)	800x860x1700		1210x860x1950		2380x860x1950		
Weight (Kg)	790	830	1355	2090	2300	2690	
COMMUNICATION INTERFACE							
Standard	RS-232 / RS-485						
Optional	SNMP / ModBus / Dry Contact						
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000						

*Specifications are subject to change without prior notice.



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