



Online UPS 3 Phase Out

GTMX Series

(40~480 KVA)

3:3 Phase

Application:

Server, Bank, Industry Equipments, IT Equipments,
Communication System & Others Networking Equipments



Control Panel



GENERAL FEATURES

- DSP-controlled modular redundancy technology
- Parallel redundancy up to 4 units
- Wide input voltage and frequency windows
- Easy to operate LCD display
- Unity power factor and low input distortion
- Output power factor at 0.9
- ECO mode for energy saving
- Common or separate battery bank
- Programmable no of battery 32 Nos. to 40 Nos., 384-480V DC
- Intelligent charge mode with smart charge current adjustment
- Built in isolation transformer
- Castor wheels on UPS
- SNMP/Mod Bus protocol supported
- Versatile communication interfaces provided for different applications
- Superior overload capability
- Programmable control and monitoring software
- Can be configured to single phase output



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(40~480 KVA)

Technical Specifications

MODEL	STAGE040K	STAGE60K	STAGE90K	STAGE120K	STAGE160K	STAGE200K	STAGE320K	STAGE400K	STAGE480K	
Capacity (KVA)	40KVA	60KVA	90KVA	120KVA	160KVA	200KVA	320KVA	400KVA	480KVA	
INPUT										
Nominal voltage	380/400/415Vac, (3Ph+N+PE)									
Operating voltage range	208 ~ 478Vac									
Operating frequency range	40Hz-70Hz									
Power factor	≥ 0.99									
Harmonic Distortion (THDi)	2% (100% nonlinear load)									
Bypass voltage range	Max.voltage: +15% (optional +5%,+10%,+25%); Min. voltage: -45% (optional -20%,-30%) Frequency protection range: ±10%									
Generator input	Support									
OUTPUT										
Output voltage	380/400/415Vac, (3Ph+N+PE)									
Voltage regulation	± 1%									
Power factor	0.9									
Output frequency	1.Line Mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (optional) 2.Battery Mode: (50/60±0.2%)Hz									
Crest factor	3 : 1									
Harmonic distortion (THDi)	≤2% with linear load; ≤5% with non linear load									
Efficiency	> 95%									
BATTERY										
Battery voltage	Programmable battery voltage from 384V DC (32 Nos.) to 480V DC (40 Nos.)									
SYSTEM FEATURES										
Transfer time	Utility to Battery : 0ms; Utility to bypass : 0ms									
Overload	Line mode	Load ≤110% : last 60min, ≤125% : last 10min, ≤150% : last 1min, ≥150% shut down UPS immediately								
	Battery mode	Load ≤110% : last 10min, ≤125% : last 1min, ≤150% : last 5S, ≥150% shut down UPS immediately								
Short Circuit	Hold Whole System									
Overheat	Line Mode : Switch to Bypass; Backup Mode : Shut down UPS immediately									
Low battery voltage	Alarm and Switch off									
Self-diagnostics	Upon Power On and Software Control									
EPO (optional)	Shut down UPS immediately									
Battery	Advanced Battery Management									
Noise Suppression	Complies with EN62040-2									
Audible & Visual	Line Failure, Battery Low, Overload, System Fault									
Status LED & LCD display	Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault									
Reading on the LCD display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature									
Communication interface	RS232, RS485, Parallel, Intelligent slot, Relay card (optional), SNMP card (optional)									
ENVIRONMENTAL										
Operating temperature	0°C ~ 40°C									
Storage temperature	-25°C ~ 55°C									
Humidity range	0 ~ 95% (non condensing)									
Altitude	< 1500m									
Noise level	< 55dB									
PHYSICAL										
Dimension WxDxH (mm)	600x780x1200			600x780x1600		600x850x1600		600x850x2000		1200x850x2000
Net weight (kg)	150	158	190	198	200	230	250	280	320	
STANDARDS										
Safety	IEC/EN62040-1, IEC/EN60950-1									
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8									

Specifications are subject to change without prior notice.



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