Ablerex

every moment counts

Titan

100-500 kVA

Titan GT

100-800 kVA

THREE-PHASE UPS

TITAN - TITAN GT

TITAN
100-500 kVA

Titan offers maximum protection and efficiency in a compact design, while ensuring absolute power continuity in all critical applications

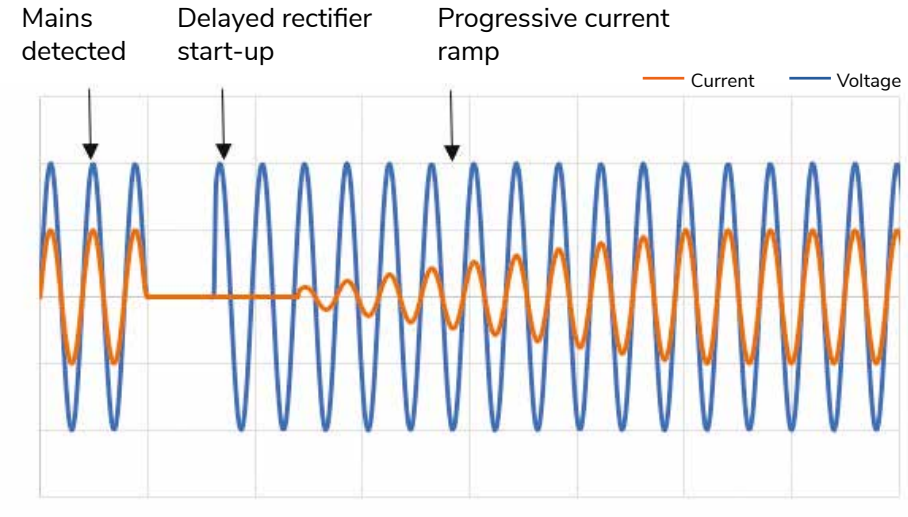
TITAN GT
100-800 kVA

With its built-in transformer with galvanic isolation, Titan GT offers maximum protection and efficiency with the lowest running cost

Applications

- Data centres
- Electromedical equipment
- Industrial applications

Ideal for generators



Regenerative load management

TITAN - TITAN GT

- Power factor of 1 (kW = kVA) and up to 96% efficiency in VFI mode (up to 99% ECO mode).
- THDi <3% to minimise impact on the mains supply.
- Designed to minimise impact on generators and avoiding the overdimension.
- Power capacitive and inductive loads with no derating.
- Front access for very easy maintenance.
- Ideal for applications that require long back-up uptime. Battery charge current regulation via firmware.
- Neutral disconnector for safe maintenance.
- Dual input and internal manual bypass.
- Up to 6 units can be connected in parallel for power or redundancy.
- Separate or common batteries for parallel systems.
- Battery Care system increases battery life by regulating the charge according to the manufacturer's instructions and minimising the ripple current.
- Wide range of communication options included: two ports as standard (RS232 and USB) and two additional slots for optional cards.
- Wide LCD display 100 kVA to 500 kVA.

Key options

TITAN

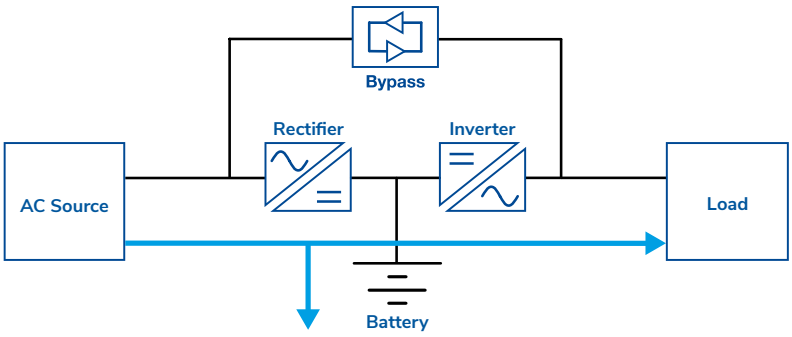
- Programmable dry contacts.
- Common batteries for parallel systems.
- SNMP, RS485, ModBus cards and temperature probe.
- Colour touch screen display for power from 100 to 160 kVA.
- Remote monitoring panel.
- External manual bypass for maintenance
- Parallel kit

TITAN GT

- Isolation transformer and autotransformer for bypass and/or input line.
- Battery charging voltage compensation based on the temperature.
- Redundant loop parallel communication.
- Load-sync for single or parallel UPS.
- External manual bypass for maintenance
- Parallel kit

Dynamic charging mode function

Thanks to this function, all available power not absorbed by the load can be used to quickly charge batteries, including those sized for long autonomies.
The function, which can be activated by the firmware, allows the charging current of the batteries to be adjusted.



TITAN - TITAN GT

TITAN TECHNICAL DATA SHEET

MODEL		TITAN 100kVA	TITAN 125kVA	TITAN 160kVA	TITAN 200kVA	TITAN 250kVA	TITAN 300kVA	TITAN 400kVA	TITAN 500kVA
POWER	KVA	100	125	160	200	250	300	400	500
	KW	100	125	160	200	250	300	400	500
INPUT	Rated voltage	400 Vac three-phase with neutral							
	Voltage tolerance	-20% to +15%							
	Rated frequency	45 to 65 Hz							
	Power factor	>0.99							
	Current distortion (THDi)	<3%							
OUTPUT	Rated voltage	380/400/415 Vac three-phase with neutral							
	Voltage stability	±1% (static)							
	Frequency	50/60 Hz							
	Frequency stability	±0.001 (free running)							
	Power factor	1							
	Crest factor	3:1							
	Voltage distortion	<1% with linear load, <5% with distorting load							
	Permissible overload*	125% for 10 minutes, 150% for 30 seconds		125% for 5 minutes, 150% for 30 seconds					
BATTERY	Number per string (12V)	60 – 62 configurable							
	Max charging current	Up to 50 A			Up to 120 A				
	Common batteries for parallel configuration	Supported							
EFFICIENCY	VFI mode	Up to 96%							
	ECO mode	Up to 98%							
BYPASS	Rated voltage	380/400/415 Vac three-phase with neutral							
	Voltage tolerance	±10% (selectable)							
	Frequency	50/60 Hz (selectable)							
	Frequency tolerance	±10 Hz (selectable)							
GENERAL	Parallel connection	Up to 6 units							
	Dimensions (WxDxH) mm	560x940x1800			880x970x1978			1430x970x1978	
	Weight (kg)	320	360	380	720	850	930	1080	1250
	Protection class	IP20							
CONNECTIVITY	User interface	LCD display, LED synoptics and keyboard			Colour touch screen display				
	Built-in communication ports	USB, RS232, EPO, auxiliary contact for battery switch, auxiliary contact for external manual bypass, diesel mode contact and two additional slots for optional cards.							
	Optional accessories	Cards: SNMP, RS485, ModBus, dry relay contacts, remote monitoring panel.							
ENVIRONMENTAL PARAMETERS	Operating temperature**	0 – 40°C							
	Relative humidity	0 – 95% (without condensing)							
	Altitude (a.s.l.)	<1000 m with no power derating, >1000 m with 0.5% derating for every 100 m.							
	Audible noise at 1 m.	<60 dBA							
REGULATIONS	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3							
	Marking	CE, UKCA							

* Subject to conditions ** To be verified according to the battery parameters

TITAN - TITAN GT

TITAN GT TECHNICAL DATA SHEET

MODEL		TITAN GT 100-125-160 kVA	TITAN GT 200-250-300 kVA	TITAN GT 400kVA	TITAN GT 500kVA	TITAN GT 600kVA	TITAN GT 800kVA
POWER	KVA	100 / 125 / 160	200 / 250 / 300	400	500	600	800
	KW	90 / 112.5 / 144	180 / 225 / 270	360	450	540	720
INPUT	Rated voltage	400 Vac three-phase with neutral					
	Voltage tolerance	-20% to +15%					
	Rated frequency	45 to 65 Hz					
	Power factor	0.99					
	Current distortion (THDi)	<3%					
OUTPUT	Rated voltage	380/400/415 Vac three-phase with neutral					
	Voltage stability	±1% (static)					
	Frequency	50/60 Hz					
	Frequency stability	±0.001 (free running)					
	Power factor	0.9					
	Crest factor	3:1					
	Voltage distortion	<1% with linear load, <5% with distorting load					
	Permissible overload	125% for 10 minutes, 150% for 1 minute					
BATTERY	Number per string (12V)	50/52 configurable					
	Max charging current *	Up to 100 A					Up to 200 A
EFFICIENCY	VFI mode	Up to 95%					
	ECO mode	Up to 98%					
BYPASS	Rated voltage	380/400/415 Vac three-phase with neutral					
	Voltage tolerance	±10% (selectable)					
	Rated frequency	50/60 Hz (selectable)					
	Frequency tolerance	±10 Hz (selectable)					
GENERAL	Parallel connection	Up to 6 units					
	Dimensions (WxDxH) mm	815x825x1670	1200x860x1900	1990x990x1920	2430x990x2020	2440x990x2020	3640x990x1920
	Weight (kg)	100 kVA = 625 125 kVA = 660 160 kVA = 715	200 kVA = 970 250 kVA = 1090 300 kVA = 1170	1820	2220	2400	3600
	Protection class	IP20					
CONNECTIVITY	User interface	LCD display, LED synoptics and keyboard					
	Built-in communication ports	USB, RS232, EPO, auxiliary contact for battery switch, auxiliary contact for external manual bypass, diesel mode contact and two additional slots for optional cards.					
	Optional accessories	Cards: SNMP, RS485, ModBus, dry relay contacts, remote monitoring panel.					
ENVIRONMENTAL PARAMETERS	Operating temperature**	0 – 40°C					
	Relative humidity	0 – 95% (without condensing)					
	Altitude (a.s.l.)	<1000 m with no power derating, >1000 m with 0.5% derating for every 100 m.					
	Audible noise at 1 m.	<62 dBA					
REGULATIONS	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3					
	Marking	CE, UKCA					

* Subject to conditions ** To be verified according to the battery parameters

Versatile high-power technology for critical applications

Kronos Plus
10-40 kVA

Kronos Plus XL
10-40 kVA

Taurus
10-80 kVA

THREE-PHASE UPS

Titan
100-500 kVA

Titan GT
100-800 kVA

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