

TITAN GT

ROBUST HIGH-POWER UPS FOR CRITICAL APPLICATIONS

100 kVA – 800 kVA

Titan GT has built-in transformer to galvanically isolate the load, making it a very reliable UPS.



IDEAL FOR:



Data centres



Electro-medical equipment



Industrial applications

FEATURES

- Power factor of 0.9.
- Up to 95% efficiency, 3-level IGBT inverter.
- THDi <3% to minimise impact on the mains supply.
- Designed to minimise impact on generators and avoid the need for overdimensioning them.
- Front access for easy maintenance.
- Battery Care System extends battery life.
- High-power battery charger, with 3 charging stages.
- High overload capacity for up to 1 minute at 150% load.
- Wide range of communication options included: two ports as standard (RS232 and USB) and two additional slots for optional cards.
- Graphic display, LED synoptics with keyboard for quick, user-friendly use.

KEY OPTIONS:

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

TITAN GT TECHNICAL DATA SHEET

MODEL		TT100/125/160-GT	TT200/250/300-GT	TT400-GT	TT500-GT	TT600-GT	TT800-GT
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					
	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	815x825 x1670	1200x860 x1900	1990x990 x1920	2430x990 x2020	2440x990 x2020	3640x990 x1920
	Weight (kg)	TT100-GT = 625 TT125-GT = 660 TT160-GT = 715	TT200-GT = 970 TT250-GT = 1090 TT300-GT = 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, RS-485 ModBus, dry relay contacts, remote monitoring panel.					
ENVIRONMENTAL PARAMETERS	Operating temperature**	0-40°C					
	Relative humidity	0-95% (non-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					

Catalogue data may be subject to change without notice due to our commitment to continuous innovation - rev 21_07

* Subject to conditions

** To be verified according to the battery parameters