



MAXIMUM EFFICIENCY FOR DATACENTER PROTECTION

100 kVA – 500 kVA

TT offers maximum protection and efficiency, and its Battery Care System significantly extends battery life.



IDEAL FOR



Small and medium-sized data centres



Electro-medical equipment



Critical applications



Industrial applications

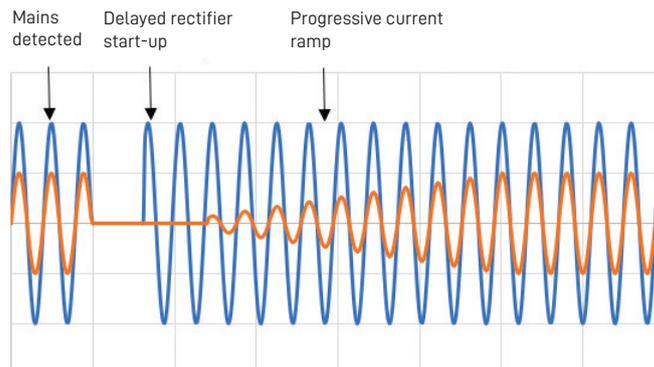
FEATURES

- Power factor of 1 kW = kVA and up to 96% efficiency in VFI mode.
- THDi <3% to minimise impact on the mains supply.
- Designed to minimise impact on generators and avoid the need for overdimensioning them.
- Power capacitive and inductive loads with no derating.
- Front access for very easy maintenance.
- Neutral disconnecter 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 extends battery life.
- Wide range of communication options included: two ports as standard (RS232 and USB) and two additional slots for optional cards.
- LCD display, LED synoptics and keyboard (100 to 160 kVA) and colour touch screen (200 to 500 kVA) for fast, user friendly operation.

KEY OPTIONS

- Cold start.
- Programmable dry contacts.
- Parallel kit.
- Common batteries for parallel systems.
- External manual bypass for maintenance.
- SNMP, RS-485 ModBus cards and temperature probe.
- Colour touch screen display for power from 100 to 160 kVA.
- Remote monitoring panel.

IDEAL FOR GENERATORS



TT TECHNICAL DATA SHEET

MODEL		TT100	TT125	TT160	TT200	TT250	TT300	TT400	TT500	
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								
	Overload*	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	530	630	675	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, 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.	<60 dBA				65dBA				
REGULATIONS	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3								
	Marking	CE								

Specifications subject to change without notice - Rev. 22.09

* Subject to conditions

** To be verified according to the battery parameters