

TAURUS TECHNICAL DATA SHEET

MODEL		TAURUS 10kVA	TAURUS 20kVA	TAURUS 30kVA	TAURUS 40kVA	TAURUS 60kVA	TAURUS 80kVA	
POWER	KVA	10	20	30	40	60	80	
	KW	10	20	30	40	60	80	
INPUT	Rated voltage	380/400/415 Vac three-phase with neutral						
	Voltage tolerance	±20%						
	Rated frequency	40 – 70 Hz						
	Power factor	≥0.99						
	Current distortion (THDi)	<3%						
OUTPUT	Rated voltage	380/400/415 V three-phase with neutral						
	Voltage stability	±1% (static load)						
	Frequency	50/60 Hz						
	Frequency stability	±0.01% (free running)						
	Power factor	1						
	Crest factor	3:1						
	Voltage distortion	<1% with linear load, <3% with distorting load						
BATTERY	Permissible overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute, >150% and <300 for 3 seconds						
	Number per string (batt 12V)	26 – 40 conf.		32 – 40 configurable				
	Max charging current *	10 A	21 A	30 A	39 A	60 A	78 A	
	Common battery for parallel configuration	Supported						
	Internal battery (optional)	Up to 80 12 V 7/9 Ah battery blocks					N.A.	
EFFICIENCY	VFI mode	Up to 96%						
	ECO mode	Up to 98%						
BYPASS	Rated voltage	380/400/415 V three-phase + neutral						
	Voltage tolerance	±5% – ±25% (programmable alarm)						
	Frequency	50/60 Hz						
	Frequency tolerance	±1 Hz/±3 Hz (selectable)						
GENERAL	Dimensions (WxDxH) mm	440x860x1390				600x827x1300		
	Weight (kg)	84	86	130	132	200	210	
	Protection class	IP20						
	Cold start from the battery without mains power	Included			Optional			
	Parallel connection	Up to 6 units						
CONNECTIVITY	User interface	4.3 " colour LCD touch screen display with removable SD card						
	Built-in communication ports	USB, RS232, EPO, 1 in/3 out dry relay contacts (programmable) and additional slots for optional cards						
	Optional accessories	Cards: SNMP, RS485, ModBus, 6 in/6 out dry relay contacts (programmable), touch panel for remote monitoring of up to 64 units						
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.	<52 dBA		<55 dBA		<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