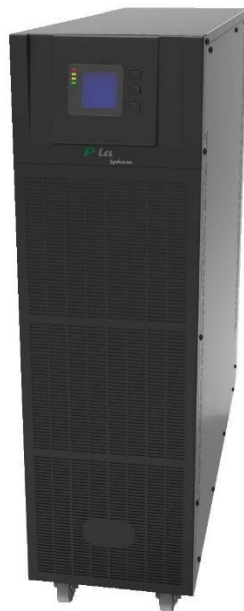


T-ONE-FC

THREE TO SINGLE PHASE

frequency converters
10-15-20KVA

TECHNICAL DATASHEET



T-One is a double conversion On-line system with three-phase input and single-phase output.

It is available in 3 sizes 10KVA - 15KVA - 20KVA.

With its high performance, T-One guarantees maximum safety for all types of users. Through the LCD display you can view the operating parameters, with the addition of the SNMP ethernet card you are able to monitor the system remotely.

MODEL		T-ONE10FC	T-ONE15FC	T-ONE20FC
RATED POWER		10KVA / 8KW	15KVA / 12KW	20KVA / 16KW
INPUT	Input	Three phase		
	Power factor	≥ 0.99		
	Rated voltage	380VAC / 400VAC / 415VAC (automatic selection)		
	Rated Frequency	50Hz/60Hz (selectable)		
	Voltage range	208 ~ 478Vac		
	Frequency range	45 ~ 55Hz (50Hz) - 55 ~ 65Hz (60Hz)		
OUTPUT	Output type	Single phase		
	Voltage regulation	$\pm 1.0\%$		
	Harmonic Distortion (THD)	Less than 2% with 100% linear load		
		Less than 5% with 100% non linear load		
	Rated voltage	220V/230V/240Vac $\pm 1.0\%$ *		
	Rated frequency	50Hz / 60Hz $\pm 0.1\%$ (single unit)		
		$\pm 0.25\%$ (units in parallel)		
	Acceptable overload	105 % ~ 110 %, max 1h		
		110% ~ 125%, max 10 min		
		125% ~ 150%, max 1 min		
		> 150% output immediately disabled		
	Crest Factor	3:1		
	AC Efficiency	Up to 94.5%		
	Dynamic response	$\pm 5.0\%$		
		40ms		
	DC component	$\leq 100\text{mV}$		
COMMUNICATION INTERFACE		USB, RS232, RS485, Parallel (optional), clean contacts, intelligent slot, SNMP card (optional), relay card (optional)		
AMBIENT	Working temperature	0°C ~ 40°C		
	Warehouse temperature	25°C ~ 55°C		
	Relative humidity	0 ~ 95% non condensing		
	Altitude	<1500m if >1500m power is derated		
OTHER CHARACTERISTIC	Protection	IP20		
	Dimensions (LxPxH) mm	250x900x868		
	Weight kg.	50	55	60
	Safety	CE, EN/IEC 62040-2, EN/IEC 62040-1-1		
	Colour	black		

* setting only at the factory, not on display

Technical data and images may be subject to a change without notice