

POWER TTC33 MODEL TRANSFORMER TEST CONVERTER

Microprocessor Controlled
3 Phase Input 3Phase Output



- By using advanced Digital Control Methods, complete sine waveform at the output under linear and non-linear load. (THD lower than %2)
- DSP Microprocessor structure
- Static structure, PWM controlled inverter with IGBT
- Output Transformer with galvanic isolation
- Monitoring and controlling over ModBus(RTU) (optional)
- Monitoring and controlling over CANBUS(RTU) (optional)
- Monitoring and controlling over TCP/IP network with the SNMP board (optional)
- Communication through RS232/RS422/RS485 (optional)
- 4-20mA, 0-10V Analog output for PLC (optional)
- Real-time monitoring and control of Frequency Converters over the internet using an internet connected PC with static IP number (optional)100 warning lists and for each warning detailed warning report
- Batteries can be connected (optional)
- 128x64 LCD Control Board

POWER (kVA)		100	150	200	300	400	500	600	800	
INPUT	Voltage	220-230-254/ 380-400-440VAC ±% 15 (3 Phase + Neutral/ Input Voltage Optional)								
	Frequency	50Hz/60Hz ±%5 (Input Frequency Optional)								
	Protection	Adjustable voltage and current restrictions + Fuse								
	Input Power Factor	> 0,9								
	Total Harmonic Distortion	< %6 (12 Pulse)								
OUTPUT	Voltage	Adjustable in the range of 20-440 ±%2 (Output Voltage Optional)								
	Frequency	50/60/150/200 Hz ±%0,2 (Output Frequency Optional)								
	Efficiency	>%91 (Full Load)								
	Total Harmonic Distortion	< %2								
	Power Factor	0.8 Inductive-Capacitive								
	Overload	Under the load higher than %125(optional) for 10 second system automatic shutdown								
	Voltage Protection	Range of operating voltage can adjustable from the LCD Control Board, inverter shuts down outside the operating voltage								
	Thermal Protection	IGBT Cooler and Output Transformer Thermal Protection								
BATT.	Load Crest Factor	3:1								
	Voltage	Designs without batteries are standart.(Designs with batteries should be notified with the order)								
	Number Of Batteries	Optional								
PHYSICAL SPECIFICATIONS	Duration	Optional								
	AMBIENT	Temperature	0-40 °C							
		Relative Humidity	%0-95 (non-condensing)							
		Acoustic Noise	<68 dB (A) (1 meter)	<70 dB (A) (1 meter)	<72 dB (A) (1 meter)	<78 dB (A) (1 meter)				
		Operation Altitude	2000 m.							
Protection Class	IP20									
Dimensions(mm)	W=1610, D=830, H=1900			W=2020-3620, D=1030, H=1900			W=4020-4820, D=1030, H=1900			
Weight Without Batteries (Kg)	1280	1630	2450	3340	4250	5225	6160	7250		
GENERAL SPECIFICATIONS	Display	128x64 LCD Board with Line,Charge,Inverter Warning LEDs								
	Warnings	Can hold 100 warning list (name,date,time) for each warning detailed report (23 system information stored)								
	Working System	Static, Converter with IGBT switches								
	Working Technique	Advanced High Frequency PWM, IGBT Technology								
	Communication	Server,Terminal Programmes, communication with RS232/RS422/RS485(optional), 4-20mA and 0-10V Analog output for PLC (optional), Observing and controlling over ModBus(RTU) (optional), Observing and controlling over CANBUS (RTU) (optional), Remote monitoring and control by providing TCP / IP number with SNMP card (optional).								
	Output isolation	High Insulation with Isolated Output Transformer								
	Overcurrent Protection	Under the load higher than %125(optional) for 10 seconds system will automatic shutdown, Fuse								



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