



The Frequency Converter People Since 1950

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Triathlon III Inverter Specifications - 1 Phase Output Model, 50 KVA

Model		T3IN-1-50K
Capacity		50 KVA
DC Input	Voltage	110V, 220V, 348V
AC Output	Voltage (select one individual voltage)	100, 110, 115, 120, 200, 208, 220, 230, or 240V
	Voltage Regulation	± 1% at Linear Load
	Output Frequency	50 or 60Hz ±0.1 Hz
	Frequency Lock Range	50 or 60 Hz ±3 Hz
	Power Factor	0.8
	Phase Shift	< 0.5° under 100% Unbalanced Load
	Distortion (THD)	< 2.0% (Linear Load)
	Overload Capacity	125% for 15 Minutes, 150% for 10 Minutes, > 150% for 1 Minute
	Efficiency	>= 91%
Indicators	LCD	Real Time Status, Data or Historical Events, Parameters, Real Time Clock, Inverter & Alarm
	LED	Up to date information (Status) to the User & Audible Alarm
Protection	Over/Under Voltage	Alarm
	Output Short Circuit	Rectifier, Reserve, Bypass NFB
	Overload	Auto-shutdown 1 Minute. Auto Restore when back to normal
	Over Temperature	Auto-shutdown
	Lightning / EMC Filter	MOV / Input & Output (FCC CLASS A)
	EMI / EMC	EN50091-1, -2 Approved
	Galvanic Isolation	Input & Output True Galvanic Isolation
Standards	FCC CLASS A	YES
	EN50091-1, -2	YES
Interface	Contact Closure, RS-232/485	Supports MEGATEC RUPS, MEGATEC RUPSII, UPSilon 2000 UPS monitoring software
Environment	Operating Temperature	0° – 40° C
	Humidity	0 - 90% Non-condensing
	Audible Noise	< 65 dB at 1 meter
Dimensions	W x H x D (mm)	550*1,600*800
	W x H x D (in)	21.7*63.0*31.5
Weight *	Kilograms	560
	Pounds	1312

*Weights based on 220V OUT. Weights may vary based on output frequency/voltage