



The Frequency Converter People Since 1950

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Triathlon III UPS Specifications - 3 Phase Input to 3 Phase Output Model, 90 KVA		
Model		T3UPS-33-90K
Capacity		90 KVA
Input	Voltage (select one individual voltage)	3 Phase Delta 220/380/460 ± 20% 3 Phase Wye 190/200/208/220/230/240V ± 20% 3 Phase Wye 380/400/415/440/460/480V ± 20%
	Frequency (select one)	50 or 60 Hz ± 5% (Optional 400Hz)
	Power Factor	≥ 0.97
	Power Walk In	0-100%: 20 seconds
Output	Voltage (select one individual voltage)	3 Phase Delta 220/380/460V (+/-5% adjustable) 3 Phase Wye 190/200/208/220/230/240V (+/-5% adjustable) 3 Phase Wye 380/400/415/440/460/480V (+/-5% adjustable)
	Voltage Regulation	± 1% at Linear Load
	Phase Shift (unbal. load)	< 0.5 Deg.
	Frequency (select one)	50 or 60Hz ±0.1 Hz (Optional 400 Hz)
	Power Factor	0.8
	Distortion (THD)	< 2.0% (Linear Load)
	Crest Factor	3:1
	Overload Capacity	125% for 15 Minutes, 150% for 10 Minutes, > 150% for 1 Minute
Indicators	Efficiency	≥ 94%
	LCD	Real Time Status, Data or Historical Events, Parameters, Real Time Clock, Inverter & Alarm
Protection	LED	Up to date information (Status) to the User & Audible Alarm
	Over/Under Voltage	Alarm
	Output Short Circuit	Auto-shutdown
	Overload	Auto-shutdown 25 sec. later
	Over Temperature	Auto-shutdown
	Surge	Surge and Lightning Protection
Interface	EMI/EMC	EN50091-2 Approved
	Contact Closure, RS-232	Supports MEGATEC RUP, 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)	1,100*1,600*800
	W x H x D (in)	43.3*63.0*31.5
Weight *	Kilograms	1,050.0
	Pounds	2,314.9
Battery	Type - Quantity	88AH - 29 ea.
Backup Time **	Minutes - Minimum	12 min.
Battery Cabinet Dim.	W x H x D (mm)	1,100*1,600*800
	W x H x D (in)	43.3*63.0*31.5
Battery Cabinet Weight	Kilograms	266.0
	Pounds	586.4
Battery Weight	Kilograms	899.0
	Pounds	1,981.9

* Weights based on 220/380V IN and OUT. Weights may vary based on input/output frequency/voltage

** Longer backup times (to 8 hours) are available from standard models; custom specifications also available.