# HILLSBOROUGH COUNTY SHERIFF'S OFFICE

## TOSHIBA UPS

# **CHECKS AND TEST DATA**

SITE NAME:	S.O. No RACK No	
TECHNICIAN:  UPS SYSTEM  MANUFACTURER:  SERIES:  RATING:  (Included, but not limited to the following:)	MODEL No SERIAL No PHASES:	
DESCRIPTION OF UPS CHECKS	UPS CHECKS	REMARKS & RECOMMENDATIONS
Battery Visual Checks (Y= no case distortion)	OF C CHILDRE	NEOOMMEND/TTOTO
Battery Leakage Checks (Y= put battery location in remarks)		
Battery Corrosion Check & Cleaning (Y=ok or cleaned)	<del>                                     </del>	
Record System Float Charging Voltage	1	
Record Individual Units Float Charging Voltage		
Record Battery String for Trending Over Time	<del></del>	
Battery String Voltage @ 10 minutes		3 to 6
Battery String Voltage @ 20 minutes	<del>                                     </del>	****
Battery String Voltage @ 30 minutes		
Battery String Voltage @ 60 minutes		150-944
Re-Torque All Inter-Battery Connecting Hardware	++	
Re-Torque All Power Connections	1	
Check Input AC Voltage (Volts)	1	
Check and Set Output AC Voltage (Volts)		
Check Internal Bypass Switch Operation		
Check External Bypass Switch Operation		
Check All External Alarm Outputs		<u> </u>
Check ALL Internal Alarm Functions		
Check All Display Readings		
nspect Power fuses		- Comment of the comm
nspect Battery string fuses		
nspect input/output circuit breakers		
nspect inverter fuses		
Clean inside and outside of UPS Systems		
nspect Cooling Fans		
Monitor Cooling Fan bearing noise and vibration		
nspect All Aluminum Electrolytic Capacitors for leakage		
TEST EQUIPMENT: MODEL No: MODEL No:	SERIAL No SERIAL No	
File: Attachment (B) UPS Test Data Forms		Rev. Date: 2-15-2005

Tab: UPS Checklist

Print Date: 6/7/2016

## **HILLSBOROUGH COUNTY SHERIFF'S OFFICE**

### TOSHIBA UPS

## **BATTERY PLOT DATA - 3 PHASE**

SITE N	IAME:		S.O. No:
			RACK No:
	NICIAN:		
UPS S	YSTEM		
	FACURER:		
	S:		MODEL No.:
	G:		SERIAL No:
			PHASES:
	Voltage After	Voltage After	Voltage After
	1 Min	21 Min	41 Min
	2 Min	22 Min	42 Min
	3 Min	23 Min	43 Min
	4 Min	24 Min	44 Min
	5 Min	25 Min	45 Min
	6 Min	26 Min	46 Min
	7 Min	27 Min	47 Min
	8 Min	28 Min	48 Min
	9 Min	29 Min	49 Min
	10 Min	30 Min	50 Min
	11 Min	31 Min	51 Min
	12 Min	32 Min	52 Min
	13 Min	33 Min	53 Min
	14 Min	34 Min	54 Min
	15 Min	35 Min	55 Min
	16 Min	36 Min	56 Min
	17 Min	37 Min	57 Min
	18 Min	38 Min	58 Min
	19 Min	39 Min	59 Min
	20 Min	40 Min	60 Min
	OUTPUT VOLTAGE	LOAD AT TEST	SYSTEM
	A to N V	Α	A Float V
	B to N V	В	A Low Bat V
	C to N V	С	A Shutdown V
TEST I	EQUIPMENT:		
	L No:		SERIAL No:
	L No:		SERIAL No:

Rev. Date: 2-15-2005 Print Date: 6/7/2016

File: Attachment (B) UPS Test Data Forms

Tab: Battery Plot-3P

## **HILLSBOROUGH COUNTY SHERIFF'S OFFICE**

## TOSHIBA UPS

## **BATTERY PLOT DATA - SINGLE PHASE**

SITE	NAME:		S.O. No:
			RACK No:
	NICIAN:		
UPS S	SYSTEM		
	FACURER:		
	S:		MODEL No.:
	IG:		SERIAL No:
			PHASES:
	Voltage After	Voltage After	Voltage After
	1 Min	21 Min	41 Min
	2 Min	22 Min	42 Min
	3 Min	23 Min	43 Min
	4 Min	24 Min	44 Min
	5 Min	25 Min	45 Min
	6 Min	26 Min	46 Min
	7 Min	27 Min	46 Min
	8 Min	28 Min	48 Min
	9 Min	29 Min	49 Min
		No. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	
	10 Min	30 Min	50 Min
	11 Min	31 Min	51 Min
	12 Min	32 Min	52 Min
	13 Min	33 Min	53 Min
	14 Min	34 Min	54 Min
	15 Min	35 Min	55 Min
	16 Min	36 Min	56 Min
	17 Min	37 Min	57 Min
	18 Min	38 Min	58 Min
	19 Min	39 Min	59 Min
	20 Min	40 Min	60 Min
	OUTPUT VOLTAGE	LOAD AT TEST	SYSTEM
	L1 V	L1	A Float V
	L2 V	L2	A Low Bat V
			Shutdown V
rect :	FOLUDMENT.		
	EQUIPMENT:		SEDIAL No.
	L No:		SERIAL No:
NODE	L No:		SERIAL No:
File	: Attachment (B) UPS Test Data Forms		Rev. Date: 2-15-200

Rev. Date: 2-15-2005 Print Date: 6/7/2016

Tab: Battery Plot-1P