



BATTERY DISCHARGE TEST



VOLTAGE/CAPACITY VS. TIME



CAPACITY:MEASURED — CAPACITY: WARNING - - - CAPACITY: STOP — VOLTAGE:MEASURED — VOLTAGE:WARNING - - - VOLTAGE:STOP —

Measured Battery Capacity (Ah): _____ Temp. Corrected Battery Capacity: 0.0 @ 25 C
 Percent Capacity (%): 0.0 Actual Discharge Time: 0:00:00 Format Graph Axis

Show Cell Data:

CELL #	Float (charging)			Idle	Remark
	SPECIFIC GRAVITY	Temp. °F	VOLTAGE (volts)	VOLTAGE (volts)	
Total					
Avg.					
Min.					
Max.					

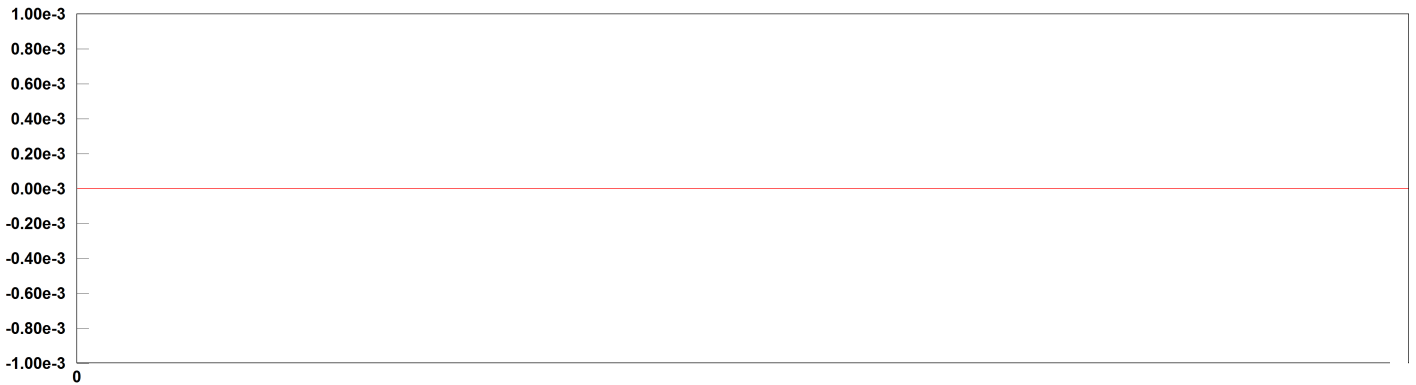


BATTERY DISCHARGE TEST



Bar Graph

Graphing cells from: 1 to:



Initial Voltage: ■ Voltage: ■ Warning Voltage: --- Stop Voltage: —

COMMENTS:

DEFICIENCIES:



BATTERY TEST



OWNER Example Owner PAGE 5
 PLANT Example Plant AMBIENT TEMP. _____ °F DATE 10/10/2014
 SUBSTATION BATTERIES HUMIDITY _____ % JOB # BATTERY FORMS
 POSITION AUTOMATED ASSET ID _____

STRING NAME: _____ BATTERY NAME: _____ INSTALLATION DATE: _____
 NUMBER OF CELLS: _____ MODEL NUMBER: _____

LIMITS: HIGH VOLTAGE LIMIT (V): _____ HIGH RESISTANCE LIMIT (μOhm) _____ HIGH TEMPERATURE LIMIT (°F) _____ HIGH SPECIFIC GRAVITY LIMIT _____
 LOW VOLTAGE LIMIT (V): _____ LOW RESISTANCE LIMIT (μOhm) _____ LOW TEMPERATURE LIMIT (°F) _____ LOW SPECIFIC GRAVITY LIMIT _____
 INTERCELL RESISTANCE THRESHOLD VALUES (μOhm) 1 _____ 2 _____ 3 _____ 4 _____

AVG. RESISTANCE: _____ AVG. VOLTAGE: _____ MIN. VOLTAGE: _____ MAX. VOLTAGE: _____ AVG. SPEC. GR.: _____ AVG. TEMP.: _____

CELL DATA							NOTES		
CELL No.	VOLTAGE (volts)	RESISTANCE (micro-ohms)	INTERCELL RESISTANCE (micro-ohms)					SPECIFIC GRAVITY	TEMP. °F
			1	2	3	4			

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



BATTERY DISCHARGE TEST



OWNER Example Owner
 PLANT Example Plant
 SUBSTATION BATTERIES
 POSITION AUTOMATED

PAGE 6
 AMBIENT TEMP. °F DATE 10/10/2014
 HUMIDITY % JOB # BATTERY FORMS
 ASSET ID

BVM Status

BVM Settings

Data Collection Mode: Update Interval Update Interval (Sec): 30

Number of BVM Sets: One Set

First BVM Set

Number of Cells: 4

First Cell Starts At: 1

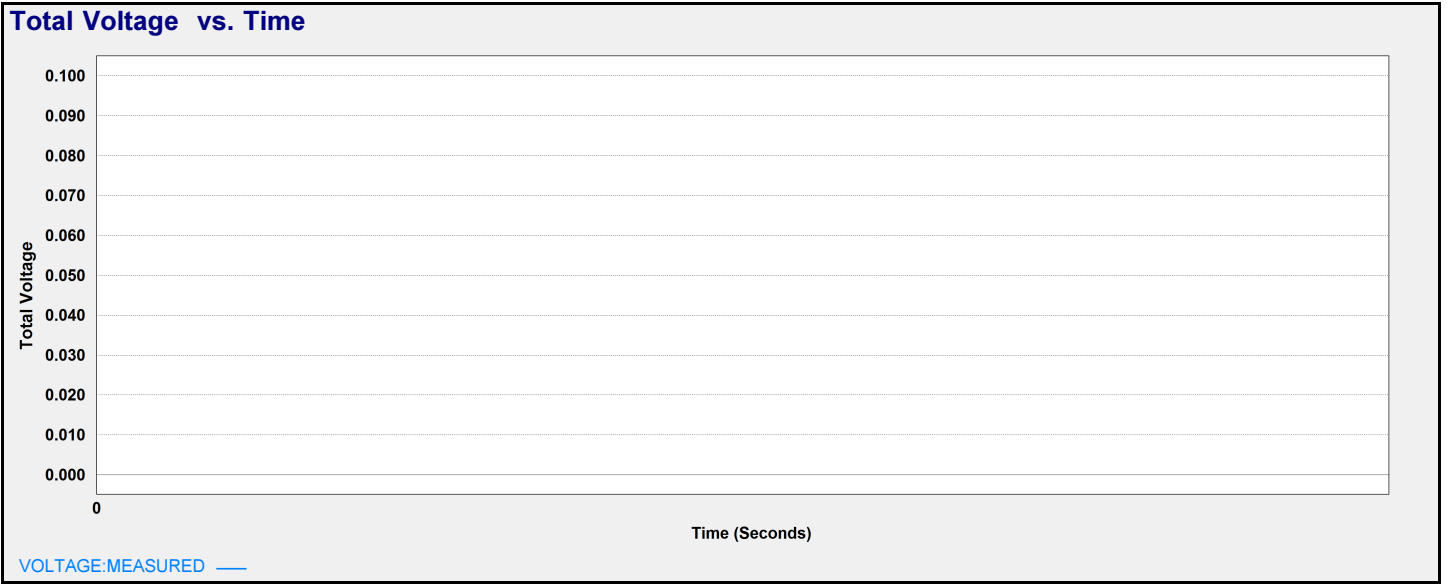
Second BVM Set

Number of Cells: 4

First Cell Starts At: 5

Show Total Volt. Graph:
 Show Bar Graph:
 Show Data Table:

Cells Outside Limits: _____



	BVM Data (HH:MM:SS)											Last Value	Fail Time	Fail %
	Float Voltage	0% (00:00:00)	25% (00:15:00)	50% (00:30:00)	60% (00:36:00)	70% (00:42:00)	80% (00:48:00)	90% (00:54:00)	100% (01:00:00)					
Total Volt.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Cell Number	Cell Data													
1														
2														

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



BATTERY DISCHARGE TEST



	BVM Data (HH:MM:SS)											
	Float Voltage	0% (00:00:00)	25% (00:15:00)	50% (00:30:00)	60% (00:36:00)	70% (00:42:00)	80% (00:48:00)	90% (00:54:00)	100% (01:00:00)	Last Value	Fail Time	Fail %
Total Volt.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Cell Number	Cell Data											
3												
4												

COMMENTS:
DEFICIENCIES:



SEND STRINGS TO BITE3



STRING NAME: _____

SITE: _____

SEND TO BITE3

1. Enter "STRING NAME" and "SITE" and Click "SEND TO BITE3"
2. Wait till the information is sent to the BITE3 before sending another string.



UPS BATTERY DISCHARGE



OWNER Example Owner PAGE 10
 PLANT Example Plant AMBIENT TEMP. _____ °F DATE 10/10/2014
 SUBSTATION BATTERIES HUMIDITY _____ % JOB # BATTERY FORMS
 POSITION GENERAL ASSET ID _____

UPS NAMEPLATE DATA

MANUFACTURER _____ MODEL _____ SERIAL NO. _____
 CATALOG NO. _____ KVA RATING _____ POWER FACTOR _____ % TYPE STATIC ROTARY
 INPUT VOLTAGE _____ INPUT CURRENT _____ INPUT FREQUENCY _____ INPUT PHASE _____
 DC VOLTAGE INPUT _____ DC INPUT CURRENT _____
 VOLTAGE OUTPUT _____ CURRENT OUTPUT _____ OUTPUT FREQUENCY _____ OUTPUT PHASE _____
 OTHER _____

BATTERY NAMEPLATE DATA

MANUFACTURER _____ CELL TYPE _____ CELL VOLTAGE _____
 CATALOG NO. _____ SPECIFIC GRAVITY RANGE _____ AMP HOUR RTG _____
 OVERALL BATTERY VOLTAGE _____ VDC NUMBER OF CELLS _____ BATTERY TEMP _____ °C
 OTHER _____

TEST PARAMETERS

TEMPERATURE CORRECTED CURRENT	
CELL VOLTAGE ALARM	
CELL VOLTAGE DEVIATION ALARM	
CELL VOLTAGE SHUTDOWN LEVEL	
BATTERY VOLTAGE ALARM	
BATTERY VOLTAGE SHUTDOWN LEVEL	

MFR.'S RATED CAPACITY - MINUTES	
ACTUAL DISCHARGE - MINUTES	
PERCENTAGE BATTERY CAPACITY	

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



BATTERY DISCHARGE TEST



OWNER Example Owner
 PLANT Example Plant
 SUBSTATION BATTERIES
 POSITION GENERAL

PAGE 11
 AMBIENT TEMP. _____ °F DATE 10/10/2014
 HUMIDITY _____ % JOB # BATTERY FORMS
 ASSET ID _____

NAMEPLATE DATA

MANUFACTURER _____ CELL TYPE _____ CELL VOLTAGE _____
 CATALOG NO. _____ SPECIFIC GRAVITY RANGE _____ AMP HOUR RATING _____
 OVERALL BATTERY VOLTAGE _____ VDC NUMBER OF CELLS _____ BATTERY TEMP. _____ °C
 OTHER _____
 BATTERY CHARGE STATUS: CHARGED EQUALIZED

MANUFACTURER'S DISCHARGE RATE	TEST CURRENT	END CELL VOLTAGE	OVERALL END BATTERY VOLTAGE	TIME
		A		

TEST PARAMETERS

TEMPERATURE CORRECTED CURRENT	
CELL VOLTAGE ALARM	
CELL VOLTAGE DEVIATION ALARM	
CELL VOLTAGE SHUTDOWN LEVEL	
BATTERY VOLTAGE ALARM	
BATTERY VOLTAGE SHUTDOWN LEVEL	

MFR'S RATED CAPACITY TIME - MINUTES	
ACTUAL DISCHARGE TIME - MINUTES	
BATTERY CAPACITY - PERCENT	

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



BATTERY INSPECTION SPECIFIC GRAVITY



CELL	SPEC. GRAVITY	VOLTAGE
81		
82		
83		
84		
85		
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CELL	SPEC. GRAVITY	VOLTAGE
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BATTERY INSPECTION SPECIFIC GRAVITY



CELL	SPEC. GRAVITY	VOLTAGE
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CELL	SPEC. GRAVITY	VOLTAGE
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PILOT CELLS

CELL NO.	TEMP. °C	CELL NO.	TEMP. °C	CELL NO.	TEMP. °C

COMMENTS:
DEFICIENCIES:

TEST EQUIPMENT USED: _____

TESTED BY: Default Administrator



BATTERY INSPECTION RESISTANCE



OWNER Example Owner
 PLANT Example Plant
 SUBSTATION BATTERIES
 POSITION GENERAL

PAGE 16
 AMBIENT TEMP. _____ °F
 DATE 10/10/2014
 HUMIDITY _____ %
 JOB # BATTERY FORMS
 ASSET ID _____

NAMEPLATE DATA

MANUFACTURER _____ CELL TYPE _____ CELL VOLTAGE _____
 CATALOG NO. _____ SPECIFIC GRAVITY RANGE _____ AMP HOUR RATING _____
 OVERALL BATTERY VOLTAGE _____ VDC NUMBER OF CELLS _____
 BATTERY TEMP. _____ °C
 OTHER _____
 BATTERY CHARGE STATUS CHARGED DISCHARGED EQUALIZED
 TEMPERATURE CORRECTED READINGS YES NO

CELL	RESISTANCE ($\mu\Omega$)	VOLTAGE DROP (mV)	CURRENT (A)
1			
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CELL	RESISTANCE ($\mu\Omega$)	VOLTAGE DROP (mV)	CURRENT (A)
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BATTERY INSPECTION RESISTANCE



CELL	RESISTANCE ($\mu \Omega$)	VOLTAGE DROP (mV)	CURRENT (A)
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CELL	RESISTANCE ($\mu \Omega$)	VOLTAGE DROP (mV)	CURRENT (A)
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BATTERY INSPECTION RESISTANCE



CELL	RESISTANCE ($\mu \Omega$)	VOLTAGE DROP (mV)	CURRENT (A)
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CELL	RESISTANCE ($\mu \Omega$)	VOLTAGE DROP (mV)	CURRENT (A)
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PILOT CELLS

CELL NO.	TEMP. °C	CELL NO.	TEMP. °C	CELL NO.	TEMP. °C

COMMENTS:
DEFICIENCIES:

TEST EQUIPMENT USED: _____

TESTED BY: Default Administrator