

TEST PROGRAM: DISCHARGE TEST

Objective:

This test is used to determine the residual capacity of a battery, prepares battery for storage and checks battery performance under specific load.

Procedure and Standard:

The battery is discharged until its voltage reaches the end-of-discharge setting.

Equipment:

Please see the following table:

	Cadex C7x00	Cadex C8000	Vencon UBA	CBAIV + Amplifier
Discharge Current	100mA - 4A	30mA - 20A	12mA - 3A	10mA - 160A
Voltage	1.2V - 36V	1.2V - 36V	1.2V - 44V	0V - 55V
Battery test range	up to 24Ah	50mAh - 100Ah	20mA - 120Ah	up to 1000Ah
Battery Type	Rechargeable	Rechargeable	Rechargeable	Rechargeable & Primary

Cadex C7x00



Cadex C8000



Vencon UBA

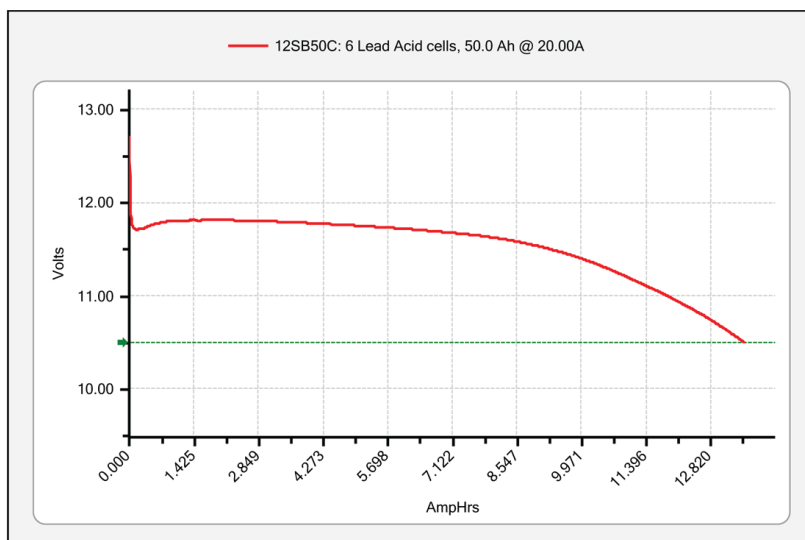


CBAIV + Amplifier



Result Sample:

Detail display shows battery capacity as percentage of manufacturer's capacity. It also shows average cell voltage, current in mA, battery temperature and duration of service. The duration of service is subject to the discharge current. Generally it is about 1 hour under default setting of 1C discharge rate.



12SB50C:

Description: 6 Lead Acid cells, 50.0 Ah @ 20.00A
 Started At: 27/01/2016 8:16 AM
 Discharge Rate: 20.00 A
 Starting Voltage: 12.71 V
 Ending Voltage: 10.50 V
 Internal Resistance: 0.05 Ohms
 Total Time (hh:mm:ss): 00:40:42
 Tested Capacity: 13.566 Ah