



# 12 Volt Warranty Form - DEALERS ONLY

## U.S. Battery Manufacturing Company

Please be as exact as possible and provide as much information so we may better serve you.

Today's date:

<input type="text"/>	<input type="text"/>	<input type="text"/>
Month	Day of the month	Year

Purchase date of battery(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
Month	Day of the month	Year

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_

Best phone number to be contacted at

Cell Phone

Email Address

Model number on battery(s) in question

Quantity

Equipment type battery(s) are being used in

Model # of equipment

Serial # of equipment

Location of Equipment

Location of Equipment

Phone # equipment is located

Contact name equipment is located

Description of problem - Please be thorough



1675 Sampson Avenue  
Corona, CA 92879  
(800) 695-0945

Fax (951) 371-4671

WWW.USBATTERY.COM





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### Notice To Customers

Our warranty policy requires that you remove the battery(s) and take or ship them to the dealer designated by U.S. Battery. For an additional service charge, the dealer can arrange for removal, preparation and delivery to the dealer for evaluation.

### Representative or Dealer

Below is to be completed by U.S. Battery representative or Dealer

USB Distributor Assigned

Location

Contact Name

Contact Phone #

Date Assigned:

<input type="text"/>	<input type="text"/>	<input type="text"/>
Month	Day of the month	Year

### Battery Diagnostic Procedures

- 1.) Check for obvious signs of damage to terminal, container, cover, ect.
- 2.) Check electrolyte levels and add water to just above the tops of plates if necessary.
- 3.) Fully charge battery per USB charging recommendations.
- 4.) Check open circuit voltage and specific gravity of all cells.

5.) If a load tester is available, load test at a discharged rate in amps approximately equal to the C/20 Ah capacity for ~15 seconds.\*

- **For example**, load test a US 200 XC at ~ 225 amps.
- If available, a 75 amp or 56 amp golf car battery tester may be used for golf car batteries. Serviceability is based on total runtime – generally >50% of published specification for the discharge rate.
- If battery is not fully charged, fully charge before load testing.

6.) Compare OCV, Sp. Gr., and 15 seconds load voltage load voltage to chart below.

7.) The 'Good' category indicates the battery is serviceable.

8.) The 'Defective or Abused' category indicates the battery is no longer serviceable and, if still within the USB warranty period, should be submitted for warranty adjustment and possible return for examination by U.S. Battery. Determination of whether the battery has a manufacturing defect or has been subjected to abuse generally requires more extensive testing and possibly teardown for failure mode analysis at the discretion of U.S. Battery.

9.) Batteries that fall within the 'gray areas' of the chart after fully charging, e.g. OVC between 4.30 volts and 6.15 volts or sp. gr. between 1.200 and 1.255 may have been subjected to continuous undercharge and may require multiple charge/discharge cycles to recover to a serviceable condition. This is considered abuse and the batteries are determined to be serviceable.



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# USB 12 Volt Battery Test Sheet - Please be exact and thorough for each battery tested

Fail Date:

Month

Day of  
the month

Year

Ambient Temperature

MCU Data (if applicable)

## BATTERY # 1 RESULTS BELOW

Date Code on battery (this is found near the + terminal)

Discharge Minutes/Voltage on battery #1

Cell 1:

Cell 2:

Cell 3:

Cell 4:

Cell 5:

Cell 6:

SG Before Charge on battery #1

Cell 1:

Cell 2:

Cell 3:

Cell 4:

Cell 5:

Cell 6:

SG After Charge on battery #1

## BATTERY # 2 RESULTS BELOW

Date Code on battery (this is found near the + terminal)

Discharge Minutes/Voltage on battery #2

Cell 1:

Cell 2:

Cell 3:

Cell 4:

Cell 5:

Cell 6:

SG Before Charge on battery #2

Cell 1:

Cell 2:

Cell 3:

Cell 4:

Cell 5:

Cell 6:

SG After Charge on battery #2

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Fail Date:

Month

Day of  
the month

Year

Ambient Temperature

MCU Data (if applicable)

## BATTERY # 3 RESULTS BELOW

Date Code on battery (this is found near the + terminal)

Discharge Minutes/Voltage on battery #3

Cell 1:

Cell 2:

Cell 3:

Cell 4:

Cell 5:

Cell 6:

SG Before Charge on battery #3

Cell 1:

Cell 2:

Cell 3:

Cell 4:

Cell 5:

Cell 6:

SG After Charge on battery #3

## BATTERY # 4 RESULTS BELOW

Date Code on battery (this is found near the + terminal)

Discharge Minutes/Voltage on battery #4

Cell 1:

Cell 2:

Cell 3:

Cell 4:

Cell 5:

Cell 6:

SG Before Charge on battery #4

Cell 1:

Cell 2:

Cell 3:

Cell 4:

Cell 5:

Cell 6:

SG After Charge on battery #4

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# USB 12 Volt Battery Test Sheet - Please be exact and thorough for each battery tested

Fail Date:

Month

Day of  
the month

Year

Ambient Temperature

MCU Data (if applicable)

## BATTERY # 5 RESULTS BELOW

Date Code on battery (this is found near the + terminal)

Discharge Minutes/Voltage on battery #5

Cell 1:	_____
Cell 2:	_____
Cell 3:	_____
Cell 4:	_____
Cell 5:	_____
Cell 6:	_____

SG Before Charge on battery #5

Cell 1:	_____
Cell 2:	_____
Cell 3:	_____
Cell 4:	_____
Cell 5:	_____
Cell 6:	_____

SG After Charge on battery #5

## BATTERY # 6 RESULTS BELOW

Date Code on battery (this is found near the + terminal)

Discharge Minutes/Voltage on battery #6

Cell 1:	_____
Cell 2:	_____
Cell 3:	_____
Cell 4:	_____
Cell 5:	_____
Cell 6:	_____

SG Before Charge on battery #6

Cell 1:	_____
Cell 2:	_____
Cell 3:	_____
Cell 4:	_____
Cell 5:	_____
Cell 6:	_____

SG After Charge on battery #6

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