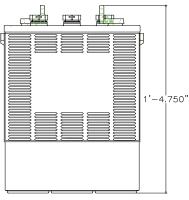


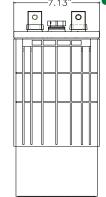
Manually timed chargers should have the charge time extended approximately 3 hours.

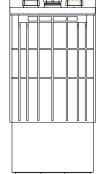
Automatically controlled chargers should be unplugged and reconnected after completing a charge.

## For more information or questions, please visit **WWW.USBATTERY.COM**

## US REL16-2V XC2 - DATA SHEET







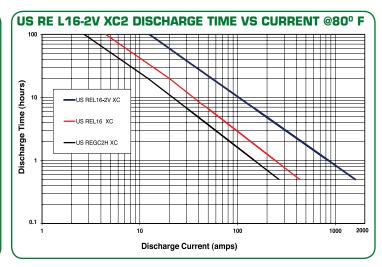


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U.S. Battery Terminal Type	Recommended Torque (in-lb)	Recommended Torque (ft-lb)	Recommended Connection Hardware
UTL	95-105	7.9-8.8	<sup>1</sup> SS Hexnut with Lock Washer
UT	95-105	7.9-8.8	<sup>1</sup> SS Hexnut with Lock Washer
Flat Block	95-105	7.9-8.8	<sup>1</sup> SS Hexnut with Lock Washer
Dual	95-105	7.9-8.8	<sup>1/6</sup> SS Hexnut with Lock Washer
DC Marine	95-105	7.9-8.8	<sup>2</sup> SS Hexnut with Lock Washer
Off-Set "S"	100-120	8.3-10	<sup>3</sup> Zn or SS Bolt w/Hexnut & Lock Washer
Flag	100-120	8.3-10	<sup>4</sup> Zn or SS Bolt w/Hexnut & Lock Washer
Large "L"	100-120	8.3-10.0	<sup>4</sup> Zn or SS Bolt w/Hexnut & Lock Washer
Small "L"	100-120	8.3-10.0	<sup>4</sup> Zn or SS Bolt w/Hexnut & Lock Washer
Bus Lug	120-180	10.0-15.0	<sup>5</sup> SS Hexnut with Lock Washer
SAE	50-70	4.2-5.8	<sup>6</sup> No Hardware Supplied
Proper connection is to position a lock washer between the nut and the connector			

(never between the connector and lead terminal) and apply the recommended torque or enough torque to completely compress the lock washer without deforming the lead terminal.

<sup>1</sup>Stainless Steel Hexnut with Stainless Steel Split-Ring Lock Washer (5/16" Positive & Negative) Stainless Steel Hexnut with Stainless Steel Split-Ring Lock Washer (3/8" Positive & 5/16" Negative) <sup>3</sup>Square-Head, SS or Zinc-Plated Bolt with SS or Zinc-Plated Hexnut & Split-Ring Lock Washer <sup>4</sup>Square-Head or Hex-Head, SS or Zinc-Plated Bolt with SS or Zinc-Plated Hexnut & Split-Ring Lock Washer <sup>5</sup>Stainless Steel Hexnut with SS Split-Ring Lock Washer (1/2" Positive or 3/8" Positive & 3/8" Negative) <sup>6</sup>No Hardware Supplied - Application Uses SAE Clamp for Positive & Negative Tapered Post

Note: The use of flanged nuts and other types of nuts with captive washers or other hardware not listed above is not recommended by US Battery and their use may void the battery warranty



## U.S. Battery Operating Temperature Guidelines

For charging, we recommend staying within O°F to120°F (-18 to 49°C) to avoid charging frozen batteries at low temperature or going into thermal runaway at high temperature.

For discharging, we recommend -20°F to 120°F (-29 to 49°C). Batteries discharged at temperatures below 32°F (O°C) should be recharged immediately to avoid freezing.

## Batteries discharged at temperatures above 120°F (49°C) should be allowed to cool before recharging.

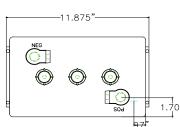
Extreme temperatures can substantially affect battery performance and charging. Cold reduces battery capacity and retards charging. Heat increases water usage and can result in overcharging. Very high temperatures can cause "thermal run-away" which may lead to an explosion or fire. If extreme temperature is an unavoidable part of an application, consult a battery/charger specialist about ways to deal with the problem.

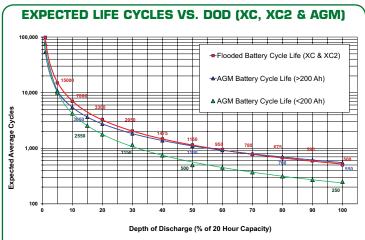
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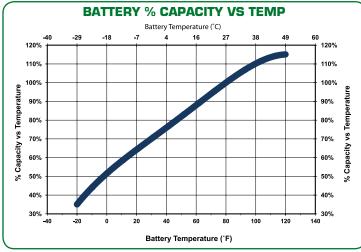
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