

US 12VRX XC2 - DATA SHEET

Deep Cycle 12 -Volt



13.125 -







Battery Manufacturing Company

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	U.S. Batte	U.S. Battery Recommended Terminal Torque and Connection Hardware							
1	U.S. Battery Terminal Type	Recommended Torque (in-lb)	Recommended Torque (ft-lb)	Recommended Connection Hardware					
	UTL	95-105	7.9-8.8	¹ SS Hexnut with Lock Washer					
	UT	95-105	7.9-8.8	¹ SS Hexnut with Lock Washer					
	Flat Block	95-105	7.9-8.8	¹ SS Hexnut with Lock Washer					
	Dual	95-105	7.9-8.8	^{1/6} SS Hexnut with Lock Washer					
	DC Marine	95-105	7.9-8.8	² SS Hexnut with Lock Washer					
	Off-Set "S"	100-120	8.3-10	³ Zn or SS Bolt w/Hexnut & Lock Washer					
	Flag	100-120	8.3-10	⁴ Zn or SS Bolt w/Hexnut & Lock Washer					
	Large "L"	100-120	8.3-10.0	⁴ Zn or SS Bolt w/Hexnut & Lock Washer					
Ц	Small "L"	100-120	8.3-10.0	⁴ Zn or SS Bolt w/Hexnut & Lock Washer					
	Bus Lug	120-180	10.0-15.0	⁵ SS Hexnut with Lock Washer					
	SAE	50-70	4.2-5.8	⁶ No Hardware Supplied					
	Proper co	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.

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) *Square-Head, SS or Zinc-Plated Bolt with SS or Zinc-Plated Hexnut & Split-Ring Lock Washer *Square-Head or Hex-Head, SS or Zinc-Plated Bolt with SS or Zinc-Plated Hexnut & Split-Ring Lock Washer *Stainless Steel Hexnut with SS Split-Ring Lock Washer (1/2" Positive or 3/8" Positive & 3/8" Negative) *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 to 120°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 (0°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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